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GARDEN

6223

5 1943

Department of Agriculture

FOR CTORY

67TH YEAR · 1943

Vaughan's GARDENING ILLUSTRATED

CHICAGO · 10 W. RANDOLPH ST.
NEW YORK · 47 BARCLAY STREET



DEARBORN



MINUET



SHIRLEY TEMPLE



PICARDY



T. J. KNUDSON

Vaughan's Famous Rainbow Garden of Gladioli

One hundred flowering size bulbs, ten each of the ten outstanding varieties illustrated on this page. Each variety separately bagged and labeled. Prepaid 600 miles for . . . **\$2.00**

Half Portion, 50 bulbs, 5 each of same 10 varieties, prepaid 600 miles for \$1.00.

The reproductions on this page are made, not of exceptional specimens, but of average flowers, reproduced on the same scale of reduction exactly one-fifth life size. For price and description of each variety see Gladiolus Pages.

Every variety in this collection is among the finest of its color, with many blue ribbons to its credit. Many a single bulb not long ago sold for as much as the entire collection.

As the largest growers of gladioli in the world, we take pride in making this collection the outstanding value in the gladiolus field.

The bulbs are not first size, but they are the size we use in growing exhibition flowers. They take a little longer to bloom than the largest bulbs, but the size and quality of the flowers, and the crop of new bulbs produced for your next year's planting, are equal to the pro-

ducts of the largest bulbs.

At Ovid, Mich., where Vaughan's Gladiolus Farms are centered, a Gladiolus Festival has become an annual event, attracting visitors for whom the principal attraction are great fields of flowers on the Vaughan farms.

Located on Michigan route 21, 13 miles west of Owosso, the farms and display garden begin to show flowers about July 15 and from then until Oct. 1 are a sight to behold. Visitors are welcome during the flowering season.

VAGABOND PRINCE



MARY SHARY



DR. F. E. BENNETT



MAID OF ORLEANS



BEACON



Plan to Produce Without Waste

Grow the vegetables your family will eat and put up for winter, and no more. Below shows the space in a garden row which should produce one serving for a family of four. Serve three vegetables dishes a day (exclusive of potatoes) for maximum nutrition, two for dinner (one a raw salad) and one for lunch. Estimate the number of times each week you would like each vegetable to appear on your table, then lay-out your planting to produce all needs next summer and winter.

The figures which follow are based upon the assumption that your garden is well fed, with at least the equivalent of 4 pounds of Vaughan's Lawn and Garden Fertilizer, or Balanced Plant Ration, for each 100 square feet. In poor, or unfertilized soil, more room will be needed.

| | | | |
|-------------|-----------|---------------|-----------|
| Snap Beans | 1 ft. | Kohlrabi | 2 ft. |
| Lima Beans | 2 ft. | Leeks | 2 ft. |
| Beets | 1 ft. | Lettuce, Leaf | 1 ft. |
| Broccoli | 1 ft. | Spring Onions | 1 ft. |
| Brussels | | Parsley | 1/2 ft. |
| Sprouts | 1 ft. | Parsnips | 2 ft. |
| Cabbage | 2 ft. | Peas | 3 ft. |
| Chinese | | Peppers | 1 ft. |
| Cabbage | 1 1/2 ft. | New Zealand | |
| Carrots | 2 ft. | Spinach | 1/2 ft. |
| Cauliflower | 2 ft. | Radish | 1 ft. |
| Celery | 1 ft. | Rutabaga | 2 ft. |
| Collards | 1 ft. | Salsify | 2 ft. |
| Sweet Corn | 4 ft. | Spinach | 3 ft. |
| Cucumbers | 2 ft. | Squash | 3 ft. |
| Egg Plant | 1 ft. | Swiss Chard | 1/2 ft. |
| Endive | 1 ft. | Tomatoes | 1/2 ft. |
| Kale | 1 ft. | Turnips | 1 1/2 ft. |

Plan for All Season Harvest

Many vegetables have a short harvest period. Your sowings of these must be divided into two, three or more plantings, to spread the harvest throughout the season.

Below we give the approximate time that one sowing will remain in top condition after harvest begins. Plan your second sowing so that when this period is ended, a succession crop will be ready for your table.

In spring your second sowing, made in warmer weather, will probably mature quicker than your first; so space your sowings a little longer apart than the harvest period.

But summer sowings will mature more slowly as a rule, so third and fourth plantings should be closer together to allow more time to mature.

First sowings of beans, carrots and beets will bear all summer (provided the beans are kept picked clean) but young plants of these usually give best results, so division into several plantings is recommended.

| Crop | Harvest Lasts |
|-------------------|---------------|
| Beans | 4 weeks |
| Beets | 6 weeks |
| Carrots | 8 weeks |
| Cucumbers | 4 weeks |
| Endive | 6 weeks |
| Lettuce | 6 weeks |
| Kohlrabi | 3 weeks |
| Turnips | 2 weeks |
| Spinach | 2 weeks |
| Sweet Corn | 10 days |
| Onion Sets | 4 weeks |
| Peas | 2 weeks |
| Radish, early | 1 week |
| Radish, midseason | 2 weeks |
| Radish, winter | 6 weeks |

Victory Garden Guide

IT IS the patriotic duty of every family that can do so, to grow as much as possible of its own food this year.

At the same time, national leaders urge that flowers shall also be grown, while lawns and landscape plantings shall not be sacrificed.

If you have a suitable place in your home grounds, set aside a Victory Garden plot; if not, apply to your local Victory Garden Committee for space in a community garden.

Wherever you plant, your garden should be planned carefully to accomplish these things:

1—To supply the family diet with an abundance of vitamins, to protect you from malnutrition.

2—To produce the food you need, in well balanced profusion, but without waste.

3—To supply your table continuously through summer and fall.

Data given on this page, in three tables, will help you plan for all these purposes.

To plan production, estimate the number of times a vegetable should be served to your family during the period for which you wish to provide.

Be guided by your family's taste, but not too far. Remember that malnutrition is the penalty for bad habits in diet; more vegetables must be eaten, if your family has been eating too few.

On the following pages will be found more garden data, together with new vegetables, and those most important in the war garden program. On Pages 68 to 88 will be found our complete vegetable list, with cultural data for all.



Victory Garden at Our Garden Center, W. 47th St. and Willow Springs Road, Western Springs, Ill.

These are the Most Nutritious Vegetables

This table has been prepared from the best authorities available as an approximate guide to the relative value of vegetables as the source of vitamins.

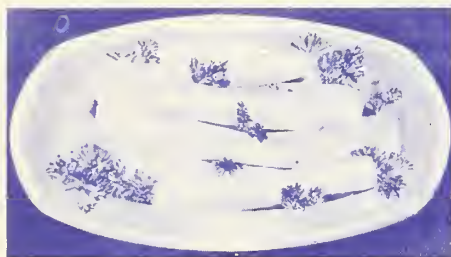
VITAMINS REQUIRED DAILY FOR BUOYANT HEALTH National Nutrition Conference's Recommendation for Active Adult

| A 5,000 I.U. | | | | B1 600 I.U. | | | | C 75 Milligrams | | | | B2 (Riboflavin) 2.7 Milligrams | | | |
|-------------------------|--------|-------|-------|---|------------------------|--------|-------|--------------------|-------|-------|-------|-----------------------------------|-------|-------|-------|
| | | | | | | | | | | | | | | | |
| | | | | Vitamin Contents of a 3 1/2-oz. Portion | | | | | | | | | | | |
| A | B1 | C | B2 | A | B1 | C | B2 | A | B1 | C | B2 | A | B1 | C | B2 |
| I. U. | I. U. | Mg. | Mg. | I. U. | I. U. | Mg. | Mg. | I. U. | I. U. | Mg. | Mg. | I. U. | I. U. | Mg. | Mg. |
| Beans, Green Stringless | 600 | 20 | 7 | ..... | Kale..... | 10,000 | 18.6 | 4.6 | ..... | 12 | ..... | ..... | ..... | ..... | ..... |
| Beans, Lima..... | 125 | 100 | 13 | 0.25 | Lettuce, Green Leaf or | 6,000 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Beans, Wax Stringless.. | 410 | 25 | ..... | ..... | Cos Varieties..... | 6,200 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Beet Greens..... | 12,000 | 15 | 28 | ..... | Onions, Spring..... | 1,000 | ..... | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Beet Root..... | 40 | 24 | 10 | ..... | Parsley..... | 380 | 66 | 38 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Broccoli, Green..... | 4,000 | 25 | 50 | ..... | Parsnips..... | 530 | 78 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Brussels Sprouts..... | 1,100 | 50 | 90 | ..... | Peas, Green..... | 600 | 69 | 0.12 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Carrots..... | 2,700 | 32 | 3 | ..... | Peppers, Green..... | 2,200 | ..... | 135 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Celery, Green Stalks... | 320 | 2 | 5 | 2 | Peppers, Red..... | 14,000 | 27 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Celery, White Stalks... | 2 | 5 | 2 | ..... | Spinach..... | 7,500 | 10 | 0.45 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Chard..... | 9,000 | 10 | 21 | ..... | Spinach, New Zealand.. | 1,000 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Chicory | ..... | ..... | ..... | ..... | Squash, Summer..... | 2,900 | 21 | 3.5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| (Endive or Escarolle) | 9,500 | 12 | 5 | 0.022 | Squash, Winter..... | 3,000 | 26 | 25 | 0.05 | ..... | ..... | ..... | ..... | ..... | ..... |
| Collards..... | 7,000 | 50 | 22 | ..... | Tomatoes..... | 6,000 | 35 | 42 | 0.25 | ..... | ..... | ..... | ..... | ..... | ..... |
| Corn, Yellow Sweet.... | 1,250 | 22 | 4 | ..... | Turnip Greens..... | 20 | 12 | 30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Corn, White Sweet.... | 125 | 18 | 4 | 0.13 | Turnip Roots, White.. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |



No. 1 Green Leafy Crop

Swiss Chard. Cut and Come Again. 45 days. In World War I, this was the most widely grown War Garden vegetable. Now we know it is one of the richest in Vitamin A. Of all green, leafy vegetables, this has the longest harvest. One sowing will bear all summer. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.



R. A. F.'s Favorite Food

Carrot Touchon. 70 days. Don't say you dislike carrots, until you have tasted Touchon. In the baby stage, or after growing all summer, they are sweet and tender. You'll envy the R.A.F., who eat them every day for keen eyesight. Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.50.



Heavy Yielding Pea

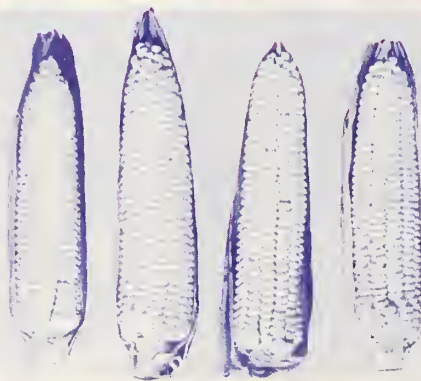
Pea Early Gilbo. 72 days. A midseason dwarf pea, it has large pods which are filled with plump wrinkled peas of maximum tenderness and sugar content. Vines are 24 inches tall, pods 5 inches long. Pkt., 15c; $\frac{1}{2}$ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.25.

Newer Vegetables

And Some Old Which are MUST for War Gardens

*There's not a pair of legs so thin, there's not a head so thick,
There's not a hand so weak and white, nor yet a heart so sick,
That it cannot find some needful job that's crying to be done,
For the Glory of the Garden glorifieth every one.*

—Rudyard Kipling.



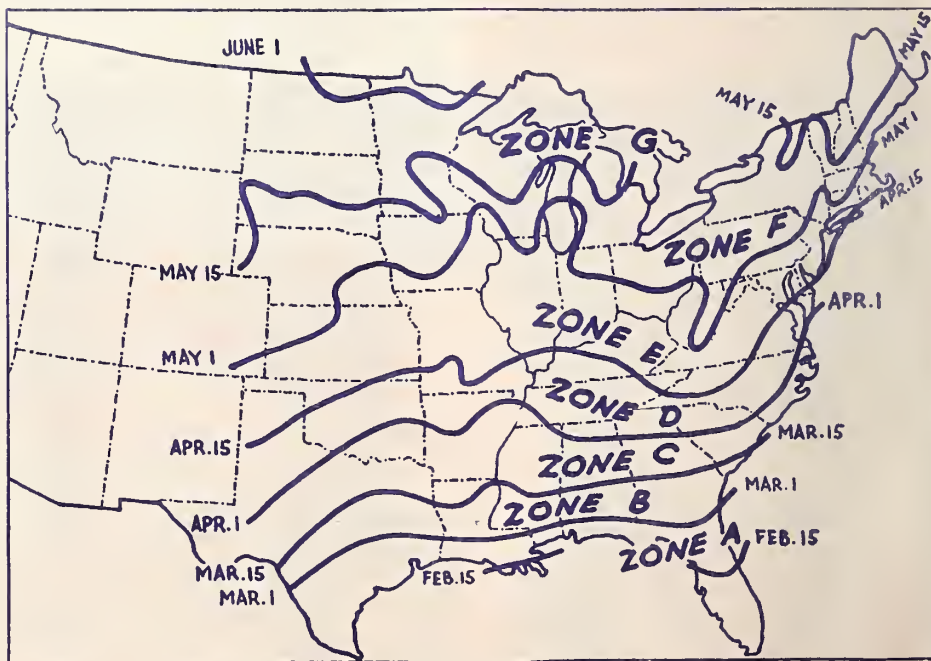
Hybrid Sweet Corn Team

All Season Hybrid Collection. These four hybrids, planted at one time, will provide a four weeks' harvest. Two plantings will cover the summer. Each variety is bagged separately, and should be planted in a separate row. Dr. Singleton, Connecticut Experiment station, chose the group, which includes, left to right: Surprise, 64 days; Golden Nugget, 68 days; Whipcross, 75 days; Golden Cross, 79 days. 2 ounces of each ($\frac{1}{2}$ lb.), 35c.



Cauliflower's Rich Cousin

Broccoli, Italian Green Sprouting (Calabrese). 70 days. This is rich in vitamins, in which cauliflower, like all white vegetables, is poor. It has similar flavor, which many deem superior. It bears all summer and until freezing in the fall, and is easy for the amateurs who often have trouble in growing the short-season cauliflower. Pkt., 25c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.50.



Check Frost-Proof Date in Your Locality

This map shows the average date of the last killing frost in each zone. The latest recorded killing frost will be about thirty days later than the average. From this data, and from neighborhood experience, you can figure the probable frost-proof date in your locality.

Basic War Garden \$1.

This collection provides the minimum planting of protective foods which should be made for a family of four. Each of these vegetables **SHOULD BE GROWN AND EATEN**, to maintain health. In addition, tomato plants should be purchased. Varieties of our selection, no changes from this list permitted. 11 items, value \$1.35, prepaid \$1.

| Catalogue Value | |
|---------------------------------|-----|
| ½ lb. Green Pod Bush Beans..... | 25c |
| 1 pkt. Swiss Chard..... | 10c |
| 1 pkt. Leaf Lettuce..... | 10c |
| 1 pkt. Carrots..... | 15c |
| 1 pkt. Parsley..... | 10c |
| 1 pkt. Beets..... | 10c |
| 1 pkt. Radish Mixture..... | 10c |

| Catalogue Value | |
|-----------------------------|-----|
| 1 pkt. Wax Beans..... | 10c |
| 1 pkt. Turnips..... | 10c |
| 1 pkt. Onion..... | 15c |
| 1 pkt. Bush Lima Beans..... | 10c |

Catalogue Value.....\$1.35
Collection prepaid in U. S. A. for \$1.00



Quality Pole Bean

Pole Bean Potomac. 65 days. Pole beans are rapidly catching up in quality with their bush-type cousins. This one retains the strong, heavy-yielding growth of Kentucky Wonder while producing stringless, almost round pods, straight and slender, nearly seven inches long. They will climb a fence in small garden, or can be trained on poles to save ground space. Pkt., 25c; ½ lb., 45c; lb., 85c.



Tomato With Orange Flesh

Tomato Jubilee. 90 days. The deep orange flesh is thick and heavy with small seed cavities and a mild non-acid flavor. The yellow skinned fruits are large, smooth globes, borne on vigorous vines which can be staked and pruned. Yellow tomatoes are rich in Vitamin C, and this is the best one so far. Pkt., 25c.



Pick of Early Tomatoes

Tomato Firesteel. 62 days. Early tomatoes are vital in Victory Gardens to give a quick start to their nutritious harvest. Among the good ones we give the edge to Firesteel, for fine yield in hot, dry weather, large smooth fruits and long season of bearing. It makes a vigorous vine which can be pruned and trained to stake or fence. Pkt., 15c; ½ oz., 35c; oz., 65c.



Home Garden Royalty

Squash Table Queen Improved. 58 days. More delicious vitamin-rich orange flesh, sweet as a muskmelon, is provided by this improved version of Table Queen Squash, half again as large as the standard type. Baked and served with melted butter, um-m! Pkt., 20c; ½ oz., 30c; oz., 50c.



Tenderest Green Bean

Bush Bean Tendergreen. 52 days. Too tender to stand shipping, this round-pod green bean grows fairly tall, and bears long, straight pods which will make you give thanks for a Victory Garden. Stringless and free from fiber at all stages. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.20.



Best Lettuce We Know

Lettuce Oak Leaf. 40 days. This variety is rapidly becoming the most popular home garden variety. Its amazingly sweet and tender, dark green leaves are forty times as rich as bleached head lettuce in Vitamin A. Mature, it makes a loose head, crisp and cream colored at the heart, green and nutritious at each leaf-end. Sweetest of all in hot weather. Pkt., 20c; ½ oz., 35c; oz., 65c.

ALL-AMERICA WINNERS

The following varieties won awards in the All-America Trials of new vegetables for 1943. Silver Medal, S. M., Bronze medal, B. M., Honorable Mention, H. M.

Bean, Pole Snap, Potomac. B. M. Stringless, prolific. Pkt., 25c; ½ lb., 45c; lb., 85c.

Bean, Lima, Cangreen. H. M. Henderson type. Pkt., 25c; ½ lb., 45c; lb., 85c.

Cucumber Marketeer. B. M. Uniform dark green. Pkt., 25c; ½ oz., 45c; oz., 85c.

Tomato Jubilee. B. M. Yellow, skin orange flesh. Pkt., 25c.

Keep Your Lawn BEAUTIFUL

VAUGHAN'S CHICAGO PARKS LAWN SEED

| | |
|-----------|---------|
| ½ Lb., | \$ 0.30 |
| 1 Lb., | .50 |
| 2 Lbs., | 1.00 |
| 3 Lbs., | 1.45 |
| 5 Lbs., | 2.35 |
| 10 Lbs., | 4.50 |
| 15 Lbs., | 6.65 |
| 20 Lbs., | 8.75 |
| 25 Lbs., | 10.75 |
| 100 Lbs., | 39.00 |

Prepaid in U. S. A.



WAR must not be allowed to destroy the beauty of American homes, and home grounds, say our national leaders. As part of the Victory Garden campaign, you are urged to maintain your lawns and landscape plantings.

Lawn seed prices have not advanced, and there is no shortage. When you sow lawn seed you are furthering, rather than handicapping, our war aims.

Well advised lawn makers will avoid sowing the cheap mixtures which flood the market adulterated with quick show grasses such as timothy, a hay seed whose coarse stems ruin the lawn. Buy only seed on the quality of which you can depend.

The basis of VAUGHAN'S "CHICAGO PARKS" lawn seed is a large amount of the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportions to produce a fine permanent turf. Needless to say, it does not contain timothy, which is a hay grass and does not belong in a lawn; none of Vaughan's formulas include this unsuitable grass.

Price, ½ lb., 30c; 1 lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.35; 10 lbs., \$4.50; 15 lbs., \$6.65; 20 lbs., \$8.75; 25 lbs., \$10.75; 100 lbs., \$39.00.

We offer this mixture without clover under the name "Vaughan's Fairway Formula"—Prices same as "Chicago Parks."

Vaughan's Special Lawn Mixtures

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, ½ lb., 35c; 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.60; 10 lbs., \$5.00; 15 lbs., \$7.40; 20 lbs., \$9.75; 25 lbs., \$12.00; 100 lbs., \$45.00.

Vaughan's Dense Shade Formula

(Containing Creeping Red Fescue)

An exceptional formula chiefly composed of imported grasses. It is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Follow instructions in our lawn booklet for growing grass in the shade. Does not contain clover.

Price, ½ lb., 40c; 1 lb., 65c; 2 lbs., \$1.30; 3 lbs., \$1.90; 5 lbs., \$3.10; 10 lbs., \$6.00; 15 lbs., \$8.90; 20 lbs., \$11.75; 25 lbs., \$14.50; 100 lbs., \$55.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

VAUGHAN'S No. 25 LAWN FORMULA

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.35; 20 lbs., \$5.75; 25 lbs., \$7.00; 100 lbs., \$25.00.

Vaughan's "Private Estate" Bent Formula FOR LAWNS "DE LUXE"

For those interested in a de luxe mixture we highly recommend our Private Estate Formula—This formula contains over 98% pure seed and is free of all noxious weeds.

In addition to Kentucky Blue Grass of the highest quality, to insure a durable and resistant foundation for your lawn, Private Estate formula includes an important proportion of Certified Bent. It produces a heavy turf of very fine texture.

This mixture is equal or better in purity to the highest priced mixtures on the market and most important, contains more bent seed. It is the best value on the market.

Price, 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.85; 10 lbs., \$5.50; 15 lbs., \$8.15; 20 lbs., \$10.75; 25 lbs., \$13.25; 100 lbs., \$49.00.

Bent Lawns from Certified Seed

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous root-stocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. Price, ¼ lb., 40c; ½ lb., 70c; 1 lb., \$1.25; 2 lbs., \$2.50; 3 lbs., \$3.70; 5 lbs., \$6.00; 10 lbs., \$11.75; 15 lbs., \$17.25; 25 lbs., \$27.50.

SEASIDE CREEPING BENT GRASS. Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.35; 5 lbs., \$5.50; 10 lbs., \$10.75; 15 lbs., \$15.75; 25 lbs., \$25.00.

SEE PAGE 117 FOR PRICES ON OTHER GRASSES AND FIELD SEEDS

**Ten
Prize Winning
Giants for . . \$2⁰⁰**
Value \$2.80.
Prepaid 300 Miles

AVALON. (F.D.) Clear yellow. Each 25c.
CAVALCADE. (F.D.) Rich rose pink. Each 35c.
GALLANT FOX. (F.D.) Brilliant red. Each 25c.
JANE COWL. (I.D.) Buff and old gold with salmon center. Each 25c.
JERSEY'S BEAUTY. (F.D.) Perfect formed true pink. Each 25c.
JOSEPHINE G. (S.C.) Rose pink tipped yellow. Each 25c.
MRS. GEORGE LE BOUTILLIER. (I.D.) Velvety crimson. Each 35c.
ROSE GLORY. (F.D.) Deep rose pink. Each 25c.
SULTAN OF HILLCREST. (F.D.) Lemon yellow, reverse of rosy pink. Each 35c.
WHITE WONDER. (F.D.) Giant blooms of pure white. Each 25c.

COLLECTION \$2.00

**Six of the Best and
Newest**

\$9.25 Value for \$7.40

(Prepaid 300 Miles.)

CHEER LEADER. (F.D.) Rose pink with good stem. Each \$1.50.
JEFFERSONIAN. (I.D.) Mauve pink of immense size. Each \$2.00.
SAN FRANCISCO. (I.D.) Salmon pink. Very large. Each \$1.50.
THE GOVERNOR. (F.D.) Bright yellow of perfect form. Each \$1.50.
EVENTIDE. (I.D.) True purple with violet purplish shadings. Each \$1.50.
VICTORY. (F.D.) Golden pink with large blooms. Each \$1.25.

COLLECTION \$7.40

**Assorted Type
Collection**

Seven for \$2.65

Value \$3.20

CHEROKEE BRAVE. (Informal Decorative) Ox-blood red that does not fade. Each \$1.00.
MONARCH OF THE EAST. (Formal Decorative). Golden bronze with coral red reverse. Each 75c.
JEAN TRIMBEE. (Semi cactus). Deep petunia violet. Each 35c.
COUNTESS OF LONSDALE. (Straight cactus.) Apricot and pink. Each 35c.
MARY HELEN. (Ball.) Primrose yellow. Each 25c.
BABY ROYAL. (Miniature.) Salmon pink. Each 25c.
SNOWCLAD. (Pompon.) Pure white. Each 25c.

COLLECTION \$2.65

For complete description, see pages 90-91.

MRS. JAMES ALBIN



**You CAN GROW GIANT
DAHLIAS**

**8 CHAMPION VARIETIES \$4.55
OF RAINBOW COLORS**

**One Each of These Eight Varieties,
Value \$7.00. (Prepaid 300 Miles), For \$4.55**

GIANT dahlias are ideal flowers to grow in Victory Gardens. A row of these huge blossoms with their gay colors will decorate your vegetable plot and add to the enjoyment of your daily garden hour.

New varieties in this year's collections bring them up-to-date. All these varieties have stood the test and won places as proven champions. Besides giant size and fine coloring, they have the qualities of vigorous growth and free flowering. There will be no difficulty about growing them if you follow the simple directions which we furnish with each order.

MRS. JAMES ALBIN. (F.D.) A soft pleasing yellow with fine formed blooms carried on straight stiff stems. The plant is 4 to 5 feet high, has a clean sturdy growth and branches freely, making it easy to cut the blooms with long stems. It also has exceptional keeping qualities. Received the Certificate of Merit of the American Dahlia Society. Price, each \$1.00.

LOIS WALCHER. (F.D.) Deep amaranth purple, tipped white. Price, each \$1.00.

MARGIE PARELLA. (F.D.) Pure white. Good grower and free bloomer. Price, each \$1.50.

SON OF SATAN. (S.C.) Bright scarlet. One of the largest in its class. Price, each \$1.00.

CHEROKEE ROSE. (I.D.) Lavender rose. Free bloomer with strong stem. Price, each 50c.

MONARCH OF THE EAST. (F.D.) Golden bronze with coral red reverse. Strong grower. Price, each 75c.

ROBERT EMMETT. (I.D.) Clear cardinal red inclining to crimson. Price, each 50c.

KATIE K. (I.D.) Clear pink of large size and long stem. Price, each 75c.

COLLECTION \$4.55

For complete description, see pages 90-91.

Vaughan's Seed Store 5

6 Everblooming Hybrid Tea ROSES

\$3.90 FOR

ALL these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Before winter comes they should have borne for you hundreds of lovely blossoms, beginning in June and continuing without interruption until killing frosts. Our plants are finest two-year grafted plants that are produced. The varieties are all of the newest type, some of the very latest to make their debuts. Plant dormant plants as early as you can and if you must plant late, use our hardened pot plants, ready in bud, May 1.

6 Hybrid Tea Rose Plants 2 YEAR DORMANT, Our Selection (Value \$5.40). By Express Collect..... **\$3.90**
 6 Hybrid Tea Rose 2 YEAR POT PLANTS, Our Selection (Value \$7.70). By Express Collect..... **\$6.95**
 12 Hybrid Tea Roses, 2 YEAR DORMANT, one each as listed (Value \$11.25). By Express Collect..... **\$6.90**
 12 Hybrid Tea Roses, 2 YEAR POT PLANTS, one each as listed (Val. \$15.45). By Express Collect..... **\$13.50**

Christopher Stone. Classed with Etoile de Holland and Crimson Glory as one of the three finest red Roses in existence. The plants grow well, have heavy foliage, and all season they produce quantities of brilliant, glowing, velvety scarlet blooms of good form. Delicious Old Rose fragrance. Dormant plants, \$1.00; pot plants, \$1.35.

Condesa de Sagato. Everyone liked this spectacular Rose with its cupped flowers of orange-scarlet on the inside and yellow on the reverse. Strong grower with heavy foliage; fragrant, free flowering. Dormant plants, 85c; pot plants, \$1.20.

Duquesa de Penaranda. This glorious Rose produces two distinct types of flowers. In summer the pointed buds are apricot-orange and dark pink opening to splendid blooms of coppery apricot. In autumn great brownish buds open slowly to finely formed flowers of a luscious cinnamon-peach color. Dormant plants, \$1.00; pot plants, \$1.35.

After April 15th it may be necessary to change this collection. See Pages 90-91 for Complete List of Roses, including New Patented Varieties.



ROSE
POINSETTIA

Editor McFarland. Perfectly formed, lasting, brilliant rose-pink flowers, excellent for cutting. Its vigorous growth, healthy foliage and abundance of fragrant bloom make it most dependable. Dormant plants, 85c; pot plants, \$1.20.

Girona. Here is one of the most fragrant Roses in existence and one of the best of all garden Roses for cutting. Very strong growing, with good foliage, and superb blooms of a beautiful red and yellow combination. Dormant plants, \$1.00; pot plants, \$1.35.

Golden Dawn. Noted for its quantity of bloom and considered the finest light yellow garden Rose. Buds lemon yellow, splashed with carmine, open to great big fragrant flowers of pale straw yellow. Bushy, vigorous grower, bronzy green foliage. Dormant plants, 85c; pot plants, \$1.20.

McGredy's Ivory. "The perfect white Rose." Its long pointed, perfectly-shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness. The plants are vigorous, have good foliage and produce quantities of long-lasting, moderately fragrant, perfect Roses. Dormant plants, \$1.00; pot plants, \$1.35.

McGredy's Yellow. Beautifully formed buds of pure, light but-tercup yellow; open flowers cup-shaped with a mass of gold anthers glorifying the center. Plants vigorous and free blooming, with dark glossy, holly-like foliage. Dormant plants, 85c; pot plants, \$1.20.

Mme. Joseph Perraud. One of the most gorgeous Roses in existence with enormous, perfectly formed Nasturtium-orange buds, which open to sweetly fragrant flowers of a charming Nasturtium buff, straying to a lovely shade of shell pink. An excellent flower for both garden and exhibition purposes. Blooms heavily all season. Dormant plants, \$1.00; pot plants, \$1.35.

Poinsettia. Here is a rose that will be the sensation of your garden for it is the most dazzling red rose we have ever seen. The buds are ideal in form, long and pointed, and open into large, beautiful Poinsettia-scarlet blooms, with large well-shaped petals. The plants are good and the blooms are produced profusely during the whole season. Dormant plants, \$1.00; pot plants, \$1.35.

President Macia. A superb variety that really performs. Extra long, pointed buds of rich carmine-pink, opening into great big blooms, often 5 inches across, of soft flesh-pink, brightened by a yellow flush at the base. Vigorous grower with long stems. Dormant plants, \$1.00; pot plants, \$1.35.

Southport. Fine flowers of an exceedingly brilliant scarlet which is unaffected by the weather. Very showy, probably the most brilliant of all scarlet Roses. Fine buds of lovely form on long stems. Blooms very freely, producing more flowers than any other Hybrid Tea Rose in our collection. Dormant plants, 85c; pot plants, \$1.20.

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The extra seeds must be listed in original order; no allowance can be made subsequently for failure to include them.

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A Friendly Gift to Our Customers

Most of our orders come from those who have purchased our seeds and like them. We hope you will be one of these. As a token of appreciation, we will send with a mail order of \$2 and over received on this order blank, a special packet containing seed of a new flower or of an older one which we think you should know and know you will like.

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New Flowers, and Older Ones of Special Merit



195 **AGERATUM Midget Blue.** Pkt., 25c.

Blue and Pink Ageratums □

Culture: A, B, D or E, Page 67

214 Fairy Pink. A compact dwarf of delightful soft salmon rose pink. It begins to flower when not more than 1½ to 2 inches high and grows to 5 inches, forming a compact mass of blooms. Pkt. 25c.

195 Midget Blue. Three inch globular plants are smothered with Ageratum blue flowers. Most uniform in habit, truest in color yet produced. The best we know for narrow ribbon planting. Pkt. 25c.

221 Golden Ageratum. 12 in. Fluffy, golden ball flowers, resemble the so-called perennial ageratum. This is an annual, *Linas Inodora*. Pkt. 25c.

204 Swiss Blue. 10 in. Even, compact growth, with clear blue flower heads covering the entire plant. In our trials this proved to be the best of all Dwarf Ageratums, both as to habit, size of flower and uniformity. Pkt., 25c.

True Violet Sweet Alyssum

Culture: A, B, D or E, Page 67

259 Alyssum Violet Queen. A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly covered with bloom, from early summer to freezing. It flowers in 45 days from seed sown in the open ground. After its second year in our test garden we like it better than ever. ½ oz., 35c; pkt. 15c.

New Quilled Giant Asters

Aster Giant Harmony. Fine new cutflower type, long stems, basal branching 4 to 4½ in. flowers with quilled centers.

792 Moonlight. Azure blue.

793 Morning Mist. Mid blue.

794 Sunrise. Soft apricot pink.

Each of above, pkt., 25c; 3 pkts. for 65c.

7228 Aster Purple Queen (*Brachytrichus*.) Delightful little Aster bearing many rayed purple flowers with bright yellow centers, borne in close multitudes over the tightly tufted spreads of low foliage. Solid wide hedges of bloom all under 10 in. Pkt., 25c.



259 **ALYSSUM Violet Queen.** Pkt., 15c.

Culture: A, B, D or E, Page 67

349 Antirrhinum Large Flowered Rust Resistant Padre. A glistening crimson, rich and beautiful. Pkt., 25c.



2935 **RED WHITE AND BLUE.** Morning Glory Mixture. Pkt., 25c.

Red, White and Blue

MORNING GLORIES

Scarlett O'Hara, Pearly Gates (White), and Heavenly Blue Giant Flowered Morning Glories draped thousand of walls and arbors last summer. Thousands more will wish thus to display our national colors in 1943. We offer true strains of each variety, in separate packets, or in a balanced mixture.

2940 Red, White and Blue Collection. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 60c), for 40c.

2935 Red, White and Blue Mixture. A balanced mixture of the above. Pkt., 25c.

NEW GIANT CALENULAS □

Culture: A or B, D or E, Page 67

Calenulas are at their best in cool autumn days. Sow a second crop in early summer, for fall cutting.

1187 Glowing Gold. 2½ ft. Vivid color, coming between gold and orange which does not fade. Flowers are fully double, 4 in. across, with loose and fluffy petals that give the appearance of a golden ball. Long, wiry stems. Pkt., 25c.

1188 Orange Fluffy. 2 ft. Bright orange-yellow, intensified by a jet-black eye. Flowers 3½ inches, semi-double, with petals increasingly erect towards the center. Flowers profusely on long, strong stems. Pkt., 25c.



214 **AGERATUM Fairy Pink.** Pkt., 25c.

On Our Back Cover VAUGHAN'S SUPER-SCABIOSA (Mourning Bride)

Culture A or B, D or E—Page 67

An improved strain, with larger flowers and brighter colors. The illustration shows blossoms life size. Growing 30 inches tall, flowering through the summer, scabiosas are fine border flowers and among the best of all cut flowers.



| Pkt. | Pkt. |
|-------------------------|---------------------------------------|
| 1. Rosette.....\$0.15 | 6. Salmon Beauty..\$0.15 |
| 2. Azure Fairy.... .15 | 7. Cherry Red..... .10 |
| 3. Pompadour..... .10 | 8. Loveliness..... .15 |
| 4. Shasta Improved. .15 | 9. Black Prince..... .10 |
| 5. Blue Moon..... .15 | 10. Cattleya (orchid shades)..... .15 |

4737 Vaughan's mixture of Super-Scabiosa the above and others, many charming new shades. Pkt., 25c.

741 Cover Collection. 1 Pkt., each of the above 10 varieties, \$1.00.



944 **ASTER** Victory Giants. Mixed. Pkt., 25c.

All-America Asters

Culture: A, B, D or E, Page 67

944 Aster Victory Giants Mixed. □ All-America Honorable Mention, 1943. This is an extra early Giants of California type. It has strong, straight cutting stems on sturdy, branching plants 3 feet tall. Crown flowers average 5 inches across, and colors include salmon-pink, not found in the California type, and are without reds. Pkt., 25c.

576 Aster Extra Early Giant Crego Navy Blue. □ All-America Honorable Mention, 1943. First of a new race of large flowered, early Asters, this is of that color, rare in flowers, a true navy blue. While not wilt-resistant, it has fair growth, 4-inch flowers on strong cutting stems. ½ oz., 70c; pkt., 35c.

NEW DOUBLE CALLIOPSIS □

Culture: A, Page 67

1221 Calliopsis Tall All-Double Mixed. 3 ft. The best strain of double flowering Calliopsis. Flowers are semi-double and double, 1 to 1½ inches across. Our mixture contains all colors. Pkt., 15c.



Carnations in 90 Days

Culture: D, E, A or B, Page 67

1351 J. M. Bridgford. (Malmaison.) 1½ ft. □ From seed sown indoors (or outdoors) bears in 90 days on long stems, lovely fully double Carnations, 3 to 4 inches across, of all Carnation colors, including yellow. Flowers throughout the summer. Pkt., 50c.

GOLDEN MAPLE COXCOMB

1436 Celosia Gilbert's Maple Gold. The heads of this crested type coxcomb are almost globular, and the dominant color is a golden maple, with some flowers varying toward rose or pink. The plants grow to three feet and bear eight to twelve heads, which can be increased if the center stem is pinched back. Do not feed the plants. Pkt., 25c.



1621 **CHRYSANTHEMUM** Korean Hybrids. Pkt., 50c.

Korean Mums From Seed

Culture: A, B, D or E, Page 67

1621 Chrysanthemum Korean Hybrids. These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties. Pkt., 50c.



7504 **DAISY GIANT** Double Shasta. Pkt., 35c. Plants, 3 for \$1.15.

7452 Chrysanthemum September Jewels. They are easy to grow from seed, start to bloom two to four weeks ahead of any other type and have many beautiful colors. The plants grow 1 to 2 feet tall and flowers 2½ inches in diameter. Pkt., 25c.



1436 **CELOSIA** Gilbert's Maple Gold. Pkt., 25c.



1696 **CHRYSANTHEMUM** Vaughan's Rainbow Mixed. Pkt., 25c.

Novel Annual Mums

Culture: A, B, D or E, Page 67

1696 Carinatum Vaughan's Rainbow Mixture. This wonderful new strain of Carinatum Hybrids contains a very wide range of various tones running through purple, scarlet, orange, salmon rose, yellow, white, which are all beautifully zoned 'round the dark disc with small yellow edges. Pkt., 25c.

Giant Double Shastas ①

Culture: B, D or E, Page 67

7464 Diener's New Giant Double Ever-Flowering Shasta Daisy G. Marconi. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems 2½ to 3 ft. long. Pkt., (35 seeds) 50c. Plants, 3 for \$1.15.

7463 Diener's Fancy Chiffon Shasta Daisy Glendale. The 2 inch flowers have fringed and laciniated petals, interlaced. Pkt. (35 seeds) 50c.

7504 Giant Double Shasta Daisy. While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6-inches, and a long flowering season. Pkt., 35c. Plants; 3 for \$1.15; doz., \$3.50.

7449 Chrysanthemum Maximum Fringed Semi-Double and Double. The plants are extremely vigorous, producing at one time from 25 to 40 feathered fringed blooms. The strong heavy stems support blooms that average from 5 to 8 inches in diameter. A percentage of the plants will produce full double blooms, the balance semi-double and fringed. Pkt. 15c.



1617 **CHRYSANTHEMUM** Goldwings. Pkt., 25c.

1617 Goldwings. 36 in. Large daisy flowers with long feathery petals of gleaming yellow. A mass of flowers all season. Pkt. 25c.



1803 CLEOME Pink Queen. Pkt., 25c.

Two New "Spider-Plants"

Culture: D or E, Page 67

1803 Cleome Pink Queen. □ Huge heads of delightful and refreshing true pink, without a trace of blue or magenta. The large flower bracts turn to white before falling, giving the suggestion of a white collar with a pink cap. Reaches over 4 feet, well branched, airy foliage, blooming from June until frost. This is an excellent background subject to plant in the rear of the flower border, in bold groups, which will provide interesting sky-line color. Pkt., 25c.



1802 Golden Cleome. □ A new color, rich gold approaching orange, on stems which will grow 8 feet. Crowd plants to keep them low. Fine for border gaps and background. Attractive to bees. Likes full sun and sandy soil. Pkt., 25c.



1980 COSMOS Yellow Flare. Pkt., 25c.

Early Yellow Cosmos

Culture: A, B, D or E, Page 67

1980 Cosmos Yellow Flare. □ At last the yellow cosmos Klondike, so late in season it has been grown only in the deep south, has an early flowering counterpart, which will blossom in July in northern gardens. It grows 3 to 4 feet tall and has the same freedom of bloom, on long wiry stems. It is excellent for border effect and as a cut flower. Pkt., 25c.

1982 Cosmos Semi-Double Orange Ruffles. — Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c.



1964 COSMOS Giant Sensation Dazzler. 25c.

Early Red Cosmos

Culture: A, B, D or E, Page 67

1964 Cosmos Giant Sensation Dazzler. □ All-America Honorable Mention, 1943. Very rich, deep amaranth crimson, 3 to 4 inch flowers on plants which are 30 inches as they start blooming and grow to 5 or 6 feet. In size, color and height a few plants showed variance in the trials, chiefly taller, later blooming plants. Pkt., 25c.

7488 Coreopsis Atkinsoniana. ① Blossoms of glossy crimson red. Though usually handled as an annual, at least part of the plants may live over the winter in favorable locations. It is the only red flowered Coreopsis with definite perennial tendencies. Protect with heavy mulch in cold weather states. Pkt., 25c.

Pacific Giant Hybrid Delphinium

Culture: B, D or E, Page 67

The new strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers do not shatter and represent a truly outstanding addition to the midsummer garden.

7563 Black Knight. Darkest of all. Flowers 2½ to 3 inches with heavy velvety texture.

7559B Blue Bird. Clear medium blue with white eye.

7559A Blue Jay. From medium to dark blue with dark bee.

7563A Cameliard Series. This is a pure lavender self, white bee, possessing classical perfection of form in the individual flowers, which are very round and flat.

7560 Galahad. Clear white, highly mildew resistant.

7560A Lancelot. Lilac with white bee.

PRICE, Each of the above large packet (containing about 200 seeds) \$1.00 per packet. Smaller packets (containing about 100 seeds) 50c per packet.

7561 Kiug Arthnr. Royal violet, large white bee.

7561A Guinevere. Light pink lavender, white bee.

7562 Summer Skies. Light blue with white bee.

7562A Clear White. Of glistening texture.

7559 Round Table Series Mixture. All the above Knights and their Ladies.

PRICE, Each of the above, large packet (containing about 200 seeds) 75c per packet. Smaller packets (containing about 100 seeds) each 40c per packet.

Plants of Pacific Giant Delphiniums

Strong 2½ in. pot plants of Black Knight, Blue Jay, Galahad, Guinevere, Summer Skies or White. 3 for \$1.00; doz., \$3.00. Field grown mixed shades or Pure White, 3 for \$1.50; doz., \$4.50.



7559 DELPHINIUM Round Table Series Mixture. Pkt. (200 seeds), 75c. Pkt. (100 seeds) 40c.

STANDARD COLORS OF PACIFIC GIANTS

7556 Dark Blue Shades.

7557 Light Blue Shades.

7558 Lavender Pastel. Color range from lavender, generally of two tone combinations, brown or black bees.

7558B Violet Shades.

7557A Medium Blue Shades.

7558A Mixed. The five varieties of the above standard sorts.

PRICE. Each of the above, 50c per packet.



7523 DELPHINIUM Chinese Blue Mirror. 35c.

TRUE NAVY BLUE DELPHINIUM □ ①

Culture: A or B, D or E, Page 67

7523 Delphinium Chinese Blue Mirror. 1½-2 ft. One of the few true bright navy-blue flowers. May be cultivated as an annual as well as perennial, and is suited for cutting or border. When grown in masses it makes an overwhelming impression. Pkt., 35c.



Color Carnival in New Dianthus Strain

Culture: A or B, Page 67

2259 Dianthus Heddewigii Gaiety. The large fringed flowers have a bewildering variety of pink, white, red and maroon coloring, in decorative patterns, and borne freely on dwarf plants. There are numerous double and semi-double forms. The many blossoms, borne for a long season, will cover a bed of these plants with a fascinating display of brilliant colors. Pkt., 25c.



2318 DIMORPHOTHECA Glistening White.
Pkt., 25c.

White-Enamel African Daisy

Culture: A, B or E, Page 67

2318 Dimorphotheca Glistening White. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

DOUBLE CALIFORNIA POPPY

Culture: A, B, D or E, Page 67

2411 Escholtzia Creamy Crinkles. Large, extra double flowers of a delightful pastel tone of soft apricot-buff; petals are beautifully crinkled. Pkt., 15c.

ANNUAL NEW GAILLARDIA

Culture: A, B, D or E, Page 67

2476 Gaillardia Sunshine. Harmonious blend, ranging from almost self red with yellow tips, until some flowers are pure self yellow. Fully double blooms, 2½ to 3 in. across on stiff stems, 2½ ft. tall. Pkt., 25c.

BRILLIANT SUNFLOWER

Culture: A, B, D or E, Page 67

2713 Helianthus Sun Gold. 4 ft. This sunflower makes a brilliant sea of color as all the plants burst into bloom on the same day. May planting will flower in early August. Blooms are all double. Pkt., 15c.

New Sweet Williams

DIANTHUS BARBATUS ①

Culture: B, D or E, Page 67

7688 Midget Single Mixed. 3-4 in. Alpine Sweet William, uniform habit. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms tri-colored. Pkt., 25c.

7711 Midget Double Dwarf Mixed. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c.

7659 Homeland. In June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is the most welcome. "Homeland" is dark red with large sharply defined, clear white center. Pkt., 35c.

7650 Giant White "Special." The flowers are of extra size, plain edged, pure white, borne in large clusters, resembling the flowerheads of the perennial phlox. A splendid cutflower. Sown from May to July will bloom next June. Pkt. (75 seeds), 25c.



2989 LAVATERA Loveliness. Pkt., 15c.

Two Lovely Mallows

Culture: B, D or E, Page 67

2989 Lavatera Sutton's Loveliness. 3 ft. Rich rose pink flowers. Very effective as a garden plant, bushy, flowering. The bronzy foliage and stems making a fine foil to the flowers. Pkt., 15c.

7946 Hibiscus Jumbo Red. A special selection made to improve color and size of the flower of the Mallow Marvels Red. Pkt., 15c.



7659 DIANTHUS Barbatus Homeland. Pkt., 35c.



7978 HOLLYHOCK Orange Prince. 25c.

Giant Double Hollyhock ①

Culture: B, D or E, Page 67

7978 Orange Prince. Growing 6 to 8 feet, this magnificent perennial bears giant double yellow flowers, fiery orange center, likes rich soil. Pkt., 25c.

DIFFERENT ANNUAL LARKSPUR

Culture: A, B, D or E, Page 67

2119 Larkspur Paniculatum. ½-2 ft. An annual, making strong bushy plants in the manner of Gypsophila Paniculata but the habit more upright. Leaves small and narrow. Flowers ¾ inch, intense blue, are produced freely on top of plants. Pkt., 25c.

FOXGLOVE NEWCOMERS

7749 Digitalis Princess, Pastel Mixture. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Easy to raise from seed and will grow in full sun or shade. Pkt., 15c.

7761 Digitalis Nevadensis. 40 in. Slender wand-like stems that carry all their length many florets of soft cream. The blooms face one way, and their weight bends the stems, giving a graceful appearance. Cut blooms also lend themselves to effective decorative arrangements. Pkt., 25c.



Sister of Heavenly Blue

Culture: A or B, D or E, Page 67

2943 Morning Glory Improved Pearly Gates. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber; but the color is satiny white with cream throat. Against a brick wall, or any darker color, it will provide a lovely drapery; and it is effective in combination with blue and red morning glories. Pkt., 25c.

2920 Morning Glory Super Giant Oriental Mixed. A wonderful advance in size of bloom. They are seven to eight inches in diameter, in many charming and delightful colors. Pkt. (12 seeds), 50c.

First Call Red Marigold

3173A Idabelle Firestone. Tall double flowering Hybrid of the African and French species has 2½-inch mahogany red flowers on vigorous 3-foot bushes, taller and much larger than any previous double red marigold. It is a distinct and lovely innovation, fine for cutting and for the border. Pkt., 25c.



Glow Red in the Sun

3169A Marigold Scarlet Glow. In the sun this flower does glow and seems redder than any other Marigold. A well fixed Dwarf French double, compact 1-ft. bushes, color a deep maroon. Pkt., 25c.



3170a MARIGOLD Spry. Pkt., 25c.

3164A Marigold Dwarf French Double Butterball. The name fits this pretty edging marigold of canary yellow. As the illustration shows, it grows 10 inches tall, in a mound covered with 1½-inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.

LATEST MARIGOLD CREATIONS

3153 Goldsmith. The best version of the Chrysanthemum flowered Marigold which blossoms early enough for northern gardens. Globular flower with incurved petals, borne on long base branching stems, 3 feet tall. Pkt., 25c.

3127 Limelight. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering, 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.

3163B Yellow Pygmy. 8 in. Light lemon-yellow, Lilliput French double. Small, 1¼ in. blooms, rather free and exciting for edging beds. Use in front of calendulas or combine with the deep blue of ageratum Cardinal Mundelein (plants only). Pkt., 15c.

3177 Dwarf Gigantea Pot O'Gold. 12 inch. Plants are compact, well branched, bearing large blooms of bright deep orange. The flowers are somewhat loosely formed, with broad heavy petals, gracefully overlapping. Blooms early. Pkt., 25c.

A Miniature Harmony

3170A Marigold Spry. This is a miniature version of Harmony, growing in compact, 9-inch bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.



Distinct New Type

3159 Marigold Honeycomb. 15 in. This odorless deep orange belongs to the Double Dwarf African type. Peculiar and unusual petal formation makes it a distinct variety. Pkt., 25c.

3165 Marigold Sunkist Orange. All-America Silver Medal 1943. It is a dwarf, compact, very early, continuous blooming, dwarf double, 6 to 12 inches tall, flowers 1½ inches across. Companion variety for the already popular Butterball. Pkt., 25c.

Like Yellow Chrysanthemums

Culture: A, B, C, D or E, Page 67

3132 Marigold Mission Giant Yellowstone. A sister of Goldsmith, 1941 winner, which was orange, this is golden yellow, of incurved, globular form, 2½-inch flowers, rather late, plants 3 to 5 ft. Pkt., 25c.

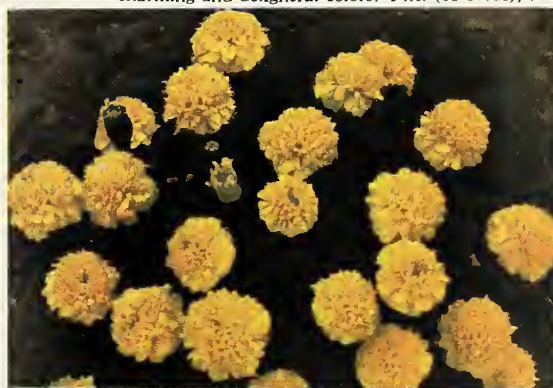
GIANT GAY-FEATHER

Culture: B, D or E, Page 67

8117A Liatris Scariosa, September Glory. ① A giant 6-foot spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time, creating a marvelous effect. A splendid improvement over the old variety. Late flowering. September. Pkt., 25c.

NEW HYBRID LILY

8159 Lily Creole X White Queen Hybrid. A lovely addition to this popular family. The flowers are pure white, longer and larger trumpets of much more substance than White Queen. Lilies are easily raised from seed with care and patience. We supply leaflet on culture if asked for at time of ordering. Pkt. (25 seeds), 50c.



First U. S. All Double is All America Winner



3932 PETUNIA All Double America. Pkt., 50c.

Culture: A, B, D or E, Page 67

3932 Petunia All Double America. Distinctly different from all Double Petunias and 100% true for doubleness. The first double ever created in America. Branching erect, the plants develop into trim little plants 1 ft. high and 18 in wide. Graceful fully double rose pink flowers up to 2 1/4 in. Leaves smaller than other varieties with almost entire lack of stickiness. Pkt. (100 seeds), 50c; 2 pkts., for 90c; 1,000 seeds, \$3.50.

3982 Petunia English Violet. □ All-America Honorable Mention, 1943. This rosy mauve-violet or purple-violet, medium-sized, compact variety brings a distinct new color to its class. With the habit of Blue Bedder, this very free-flowering plant of 12 to 15 inches is true and uniform. Pkt., 25c.

3973 Petunia Igloo. □ All-America Bronze Medal 1943. The most uniform, free-blooming, dwarf white Petunia so far developed. Plants are true, very uniform and compact growing. 12 to 15 inches tall. The small, 1 1/2-inch, creamy white single flowers with yellowish throats, cover the plants in a sheet of bloom from early to late. Excellent and very showy for bed or border. Pkt., 25c.



3412 NIEREMBERGIA Purple Robe. Pkt., 25c.



Lovely New Swiss Giant

3901 Pansy Swiss Raspberry Rose. An entirely new color in the Swiss giant strain. A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petals and is marked with a velvety blotch in a deeper tone. Pkt. (100 seeds) 50c.



4083 PETUNIA Blushing Maid, Pkt., 35c.

Best Small-Flowered Blue

3996 Admiral. □ In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other small-flowered blue Petunias. Pkt., 50c

Deep Violet Nierembergia

Culture: D or E, Page 67

3412 Nierembergia Coerulea Purple Robe. This is like the pale lavender hippomanica, in its compact growth, completely covered with bloom, but its flowers are of deep violet, unfading in the hot sun, where hippomanica would bleach to almost white. Blooms in 15 weeks from sowing, prefers sandy soil and full sun, a splendid bedding and edging subject. Pkt., 25c.

Gay Fringed Beauty

4083 Petunia Blushing Maid. Its single flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant singles. Pkt., 35c.

4009 First Lady. Is the clearest pink in all existing varieties of Petunia; 2 1/2-inch flowers, very free flowering. Makes dwarf ball-shaped growth and has long flowering season as it continuously throws out the blooms from spring to frost. Strong sun cannot burn the beautiful color. Pkt., 25c.

4022 King Henry. Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.



Giant Fringed Scarlet

4054 Petunia Golden Jubilee. □ A most attractive variety with its fringed, 3 1/2-inch flowers of bright carmine, tinged scarlet, with golden throat. Pkt., 35c.



3934 PETUNIA Dwarf All-Double Victorious Mixed. Pkt. (100 seeds), 50c.



4066 PETUNIA Type of Dwarf California Giant Mixed. Pkt., 50c.

All Double Petunias

Seeds of these varieties should be started indoors early.

3937 Appleblossom (Daintiness). Soft salmon pink.

3933 Blue Brocade. Rich deep violet color.

3939 Dwarf Carmine Glory. Peony-flowered.

3942 Dwarf Giant-Fringed Loveliness. Clear pink.

3938 Dwarf Rose-Carmine (World Beauty). Fringed.

3943 Gaiety. Rose-red and white, frilled flowers.

3936 Giant Attraction. Brilliant deep carmine rose irregularly marked with white. Compact habit.

3944 Orchid Beauty. Light lilac, heavily veined violet.

3941 Snowball. Dwarf, pure white fringed.

Each of the above All-Double Petunias, pkt. (75 seeds), 50c.

3934 Dwarf Giant Fringed Mixed (Victorious). The flowers are very large, exquisitely ruffled and fringed and contain a good range of brilliant colors. Pkt. (100 seeds), 50c.

First All-Double Blue

Culture: B, D or E, Page 67

3933 Petunia Blue Brocade. □ An entirely new color in the All-Double class in which by some secret breeding magic flowers are induced to come almost 100% double in contrast to other doubles, which seldom exceed 50% of the plants produced. The color is a rich deep violet, and the petals of the much-desired velvet sheen and texture. Flowers are large and abundant. Pkt. (75 seeds), 50c.



Red, White and Blue

Many will wish to plant beds or border combinations of red, white and blue flowers this spring, and there are no flowers better suited to this purpose than the small flowered petunias. In the illustration are shown 4020 Snowball, pkt., 10c; 4007 Glow, pkt., 25c; 3992 Blue Bird, pkt., 25c.

3993 Red, White and Blue Collection. 1 pkt. each of above three varieties (value 60c), 40c.

3994 Red, White and Blue Petunia Mixture, a blend of the above three varieties. Pkt., 25c.

4066 Dwarf California Giants Mixed.

The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt., 250 seeds, 50c; 500 seeds, 90c.



Richest Single Red

4007 Glow. The richest red small flowered single petunia, a dwarf, bushy plant, which is covered with 2½-inch flowers of dazzling carmine red. Pkt., 25c.

4081 Windmill Pink. The growth is very compact and branching, attaining at maturity height of 10-12 in. and a spread of 15-18 in., at no time does the plant become "leggy" but always presents a solid mass of green foliage studded with blooms. The 2-inch flowers have slightly frilled edges and are brilliant rose, with a flush of scarlet radiating from a small yellow throat, a combination that glows in the sunlight. Pkt., 25c.

4062 Theodosia. Large flowering single fringed rosy pink with a clearly defined golden center with minute stripes. Highly recommended at Wisley England trials of the Royal Horticultural Society. Pkt., 35c.

Best Dwarf White

4011 White Perfection. Best dwarf white Petunia. Grows about 10 inches in height. Flowers pure white of fine size and cover the plant. Pkt., 25c.



3933 PETUNIA Blue Brocade. Pkt., 50c.



4104 PHLOX Gigantea Salmon Glory. 20c.



5788A VIOLA Blue Elf. Pkt., 25c.



6050 ZINNIA Lilliput Tom Thumb Mixed Pkt., 15c.

Giant Annual Phlox □

Culture: A, B, D or E, Page 67

4104A Gigantea, Red Glory. The richest bright red, with contrasting white eye. Its color is the same as Scarlet Flax; a free, continuous bloomer. Pkt., 25c.

4103A Gigantea Rosy Morn. A gay combination of rose pink with a white eye, a color that will not fade in the strong sun. Pkt., 25c.

4104 Gigantea Salmon Glory. Florets measuring 1½ inches, of pure salmon pink. They not only register well in border clumps and bedding masses, but are useful cut flowers, all summer. Pkt., 20c.

4103 Gigantea Art Shades. A new strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. ¼ oz., 35c; ½ oz., 60c; pkt., 25c.

New Giant Salpiglossis □

Culture: A or B, Page 67

4620 Dwarf Giant Flowered Salpiglossis Mixed. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 20c.

4621 Tall Giant Flowered Salpiglossis Mixed. This is a family that thrives in a hot and dry climate and it is one of the few annuals which will bloom during the heat of summer. The large flowers in their many attractive warm colors appear in full open clusters at the top of the plant and make wonderful cutting material. Pkt., 25c.



4667 SALVIA Masterpiece. Pkt., 25c.

Salvia □

Culture: D or E, A or B, Page 67

4667 Vaughan's Masterpiece. Of all the Scarlet Sages, this best combines dwarf and uniform habits with vivid scarlet coloring unfading in the sun. Blooms early, and remains in perfect condition until killing frost. Pkt., 25c.

New Blue Viola □

Culture: A or B, Page 67

5788A Cornuta Blue Elf. 9 in. The upper petals are deep violet blue, lower petals light violet blue with gold eye and black lines radiating from center. Flowers ¾-in. in diameter, small dark green foliage. A perennial best treated as an annual. Seed sown in March will begin blooming in June and continue all summer. Pkt., 25c.



4620 SALPIGLOSSIS Dwarf Giant-Flowered Mixed. Pkt., 20c.

VIOLA CORNUTA □

Culture: A or B, Page 67

5787A Bizarre. A new and extraordinary color combination in this family; the two upper petals being a pure violet purple and the lower three clear apricot. It is a combination of the richest and gayest colors. Pkt., 25c.

5790A Chinese Blue. A round-faced type such as Jersey Gem, Chantreyland, or Blue Perfection. Chinese Blue, according to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott. Pkt., 25c.

5802A King Henry (Purple King). A perennial blossoming the first year. Flowers 1-inch in diameter cover bushy plants 6 inches tall, during a long season. A deep purple violet with lighter center and yellow eye, an effective contrast. Violas have a much longer flowering season than Pansies, and will flower all summer if the faded blossoms are picked off. Pkt., 25c.

5793 Wedgwood. Wonderfully hardy and freer blooming, the flowers are deep, clear Wedgwood blue, and shaped like pansies. This is one of the most charming Violas you can grow. Pkt., 25c.

Tom Thumb Zinnias □

Culture: A, B, D or E, Page 67

6050 Zinnia Lilliput Tom Thumb Mixture. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. ¼ oz., 50c; pkt., 15c.

LARGEST OF ALL ZINNIAS

5902 Burpee's Super Giant Zinnias. 3 ft. Flowers are 5½ to 6½ inches across and of a wide diversity of colors and forms. Striking in the garden; excellent for cutting. Rare and unusual shades of cream, buff, apricot, salmon, rose and orange predominate, with yellow, white, scarlet and crimson, and many two and three-tone effects. Pkt., 25c.

HANDSOME EVERLASTING

4577 Rosy Wings (Othake or Polypteris). 18-24 in. A handsome and robust branching annual with decorative flowers of bright rose which is sometimes treated as an everlasting. The foliage is very attractive. It is a species for mixed borders and for cutting. Pkt., 25c.



Sky Blue Scabiosa

Culture: A, B, D or E, Page 67

4731 Scabiosa Blue Moon. 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long, strong stems, ideal for cutting. Pkt., 15c.

Luminous Rose Verbena □

Culture: A, B, D or E, Page 67

5661 Verbena Roseglow. The rose colored blossoms glow in the sunlight, thanks to the unusual blending of deep rose shading to orange scarlet, without the eye found on most verbenas. It is tall, vigorous and free flowering. Pkt., 25c.

• VAUGHAN'S • *Surprise!* GARDEN MIXTURE

If You Want a Thrill, Sow in Your Victory Garden This Year
This Mixture of 80 Different Annual Flowers,
1 to 3½ Feet Tall. Oz., 25c.

5848 Vaughan's Surprise Garden of Annuals is a "garden lover's dream come true." From early Spring until killing frost there is a procession of color. It has been the brightest spot in our trial grounds all summer. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. This mixture does not contain seeds of vines, nasturtium, etc. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. Use these packets (1 oz., each 25c) for friends on their birthdays. Oz., 25c; ¼ lb., 90c; 1 lb., \$3.25

Portland, Michigan, March 5, 1942

"I want to tell you how much I enjoyed your 'Surprise Collection' of flower seeds last year. I had wonderful flowers all summer and clear up until after frost came. They made me very happy."—C. R.

Vaughan's Annual Flower Seeds

LIST OF STANDARD VARIETIES



166 ACROCLINIUM Sensation Double Giant Mixture. Pkt., 15c.

Acroclinium (Everlasting) □

Culture: A, B, D or E, Page 67

Its graceful, daisy-like flowers, with straw petals of silky appearance when cut in the bud state, can be dried for winter bouquets. It blooms in 6 weeks from time of sowing. Probably the daintiest, both in form and coloring, of all the everlasting flowers. Height, 20 inches.

150 Double Pink.

155 Double White.

Each of the above, pkt., 10c.

166 Sensation Double Giant Mixture. This large-flowering type is twice the size of the preceding one, with long, stiff stems; flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 15c.

Abronia (Sand Verbena) □

Culture: A, B, D or E, Page 67

100 X 6 in. A trailing, succulent plant, with Verbena-like flowers of bright rose with white center in late summer and fall. Pkt., 10c.

Abrus □ 12 ft.

Culture: A, B, or D, Page 67

105 Precatorius. Beautiful prayer beans. Seeds resemble coral beads; may be used for necklaces. Soak seed in warm water before sowing. Pkt., 10c.

Adonis □

Culture: A or B, Page 67

171 Autumnalis (Red Chamomile). 2 ft. Of somewhat straggly growth with finely divided foliage, its flowers are rich scarlet freely produced in summer and autumn. Pkt., 10c.

170 Aestivalis (Pheasant Eye). 1 ft. Early blooming annual with deep crimson flowers and feathery foliage. Sow where plants remain. Pkt., 10c.

Ageratums □ All Summer Blues

Culture: A, B, D or E, Page 67

Most popular summer blooming annuals supplying, during the season, dense heads of fluffy flowers in tones of blue and lavender, which are so necessary to balance the color effect in a garden.

180 Tall Blue. 18 in. Soft lavender-blue. Try this in the garden with Zinnia Pumila Pinkie for charming effect. ¼ oz., 25c; pkt., 10c.

185 Tall White. 18 in. Pkt., 10c.

190 Tall Sorts Mixed. ¼ oz., 25c; pkt., 10c.

197 Blue Ball Improved. Compact, five inches high, uniform. Broad green foliage is almost completely smothered with flowers of rich blue. Pkt., 25c.

200 Blue Cap Improved. 6 in. Definitely more dwarf than Blue Ball, more compact in habit, with smaller leaves. Bright, deep, rich lavender blue. ⅛ oz., 50c; pkt., 15c.



5848 SURPRISE GARDEN. Oz., 25c.

AGERATUMS—Continued

221 Golden Ageratum. See Novelties. Pkt., 25c.

195 Midget Blue. See Novelties. Pkt., 25c.

217 Little Blue Star. 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c.

187 Purple Perfection. 8 in. (Improved Blue Perfection). Vivid dark purple. Compact plant bearing large flowers, freely produced. Fine for ribbons, and edging. ⅓ oz., 25c; pkt., 15c.

220 Lasseauxi. 1 ft. Clear pink, excellent cut-flower. Pkt., 15c.

215 Venus. 1 ft. Forms a dense bush which is profusely covered with flowers. The buds are red, the petals are white and the center of the flower red; a plant in full bloom is very charming. Pkt., 15c.

201 King of the Blues. Excellent dwarf strain; flowers in clusters of deepest blue, showing up effectively over miniature foliage. Pkt., 25c.

202 Imperial Dwarf Blue. 6 in. Compact growth covered with heads of feathery flowers of deep lavender. Pkt., 10c.

203 Imperial Dwarf White. 6 in. Pkt., 10c.

214 Fairy Pink. See Novelties. Pkt., 25c.



200 AGERATUM Blue Cap Improved. 15c.

KEY TO SYMBOLS: □ Annuals. * Biennials. ① Perennials. + Greenhouse Plants. + House Plants. = Climbing Plants. X Rock Garden Plants.

Wilt Resistant Asters

Culture: A, B, D or E, Page 67

If YOU should have any trouble raising Asters — TRY OUR WILT RESISTANT STRAINS. Perhaps your soil is infested with Aster wilt, but even if not, you will find the Resistant Asters much more vigorous and productive. While not immune from the Yellows disease, which is insect-borne, and distinct from the Wilt, they are far less susceptible to infection and injury from it. Where we offer the Wilt Resistant Strain of a variety, we have omitted the ordinary strain from our list.

VAUGHAN'S SPECIAL WILT RESISTANT MIXED

915 A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. $\frac{1}{8}$ oz., 40c; pkt., 15c.

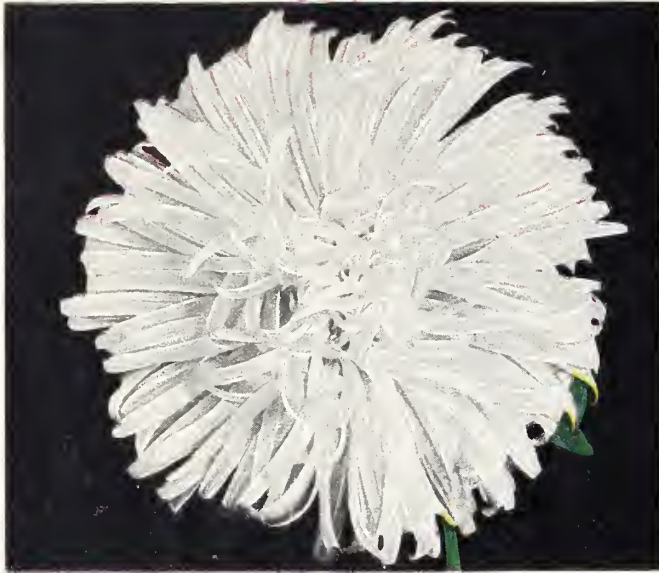
946 Pink Shades Mixed. 947 Light Blue Shades Mixed.

948 Dark Blue Shades Mixed.

Each of above, pkt., 15c; 3 pkts. for 40c.

903 ASTER
Giant Branching

Deep Rose.
Pkt., 15c.



569 ASTER
Giant Crego

White. Pkt., 15c.



541 ASTER Early Giant, Light Blue. Pkt., 25c.

SPECIAL OFFER 18

One Packet Each, 3 Varieties Illustrated above for 45c.

541 Aster Early Giant, Light Blue. 569 Aster Giant Crego, White.

903 Aster Giant Branching, Deep Rose.

Early Beauty 2 to 3 ft.

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

527 Azure Blue. 531 Purple. 533 White.

528 Black Prince. 532 September Beauty,
flesh pink.

536 Carmine Rose.

529 Crimson. Each of above, pkt., 15c; 3 pkts. for 40c.

534 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c

Early Giant $1\frac{1}{2}$ to 2 ft.

An exceptional new class. The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, very large, 4 to 5 inches across. There are practically no laterals or side branches. Four to six weeks earlier than the Giants of California.

541 Light Blue. A big lacy flower. 542 Peachblossom. White flushed pink.

543 Rose Marie. Rich, lively shade of rose.

Each of above, Pkt., 25c; any 3 pkts. for 65c.

544 Mixed. All three colors. $\frac{1}{8}$ oz., 50c; pkt., 25c.

Giant Crego — Ostrich Feather 24 inches

The flowers are immense on stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

559 Azure Blue. 561 Crimson. 566 Purple.

560 Blue Flame, 563 Deep Rose. 568 Violet.

navy blue. 564 Lavender. 569 White.

560A Cattleya fascinat- 565 Pink.
ing shade of orchid.

Each of above, Pkt., 15c; any 3 pkts., 40c.

575 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

Giant Branching 2 to 3 ft.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

905 Azure Blue, dark lavender.

904 Crimson. 906 Purple. 902 Shell Pink.

903 Deep Rose. 908 Sensation (Scarlet) 901 White.

Each of above, pkt., 15c; any 3 pkts., 40c.

898 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

Princess—New Crested

Princess asters have a full crested center surrounded by several rows of strong guard petals. Flowers are fine keepers. Early and free bloomers. 18 in. to 24.

625 Princess Anne. Delicate pink turning to rose pink as they mature.

626 Princess Bonnie. A beautiful soft salmon rose with center of rich gold.

627 Princess Marsha. A strong, vibrant cinnabar scarlet, with rich gold center.
Each of above, pkt., 25c; any three pkts. for 65c.

Golden Sheaf 2 ft.

556 The deepest yellow Aster yet offered and the only one that is Wilt Resistant. The flowers are fully double with an attractive crest-like center of good substance and fine depth of petal. Pkt., 20c.

624 King Mixed $2\frac{1}{2}$ ft. Medium sized pretty flowers with long quill-like petals. Upright grower. Early mid-season bloom. Pkt., 15c.

937A Giant Mammoth Peony-Flowered Silvery Rose $2\frac{1}{2}$ to 3 ft. Immense, fully double flowers resembling the Beauty type, borne on long, stout non-lateral stems. An attractive variety with its rich rose silver tipped flowers. Pkt., 25c.



556 ASTER Golden Sheaf. Pkt., 20c.

WILT RESISTANT ASTERS—Continued

SINGLE GIANTS OF CALIFORNIA 2 to 3 ft.

The flowers are 3 to 4 inches with broad petals closely placed around the large center. Plants with few lateral branches. Mid-season.

- | | | |
|--------------------|-------------|------------|
| 865 Deep Lavender. | 867 Flesh. | 869 Rose. |
| 866 Deep Pink. | 868 Purple. | 870 White. |

Each of the above pkt., 15c; 3 pkts. for 40c.

- 871 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

Heart of France

929 Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show now a glow and sheen, now a soft warm velvety texture. 18 to 24 inches. $\frac{1}{8}$ oz., 45c; pkt., 15c.

Queen of the Market (Early Flowering) 16 inches

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

- | | | | |
|-----------------|------------------------|--------------|------------|
| 921 Crimson. | 925 Light Blue. | 925C Rose. | 924 White. |
| 922 Flesh Pink. | 923 Purple, dark blue. | 926 Scarlet. | |

Each of above, pkt., 15c; 3 pkts. for 40c.

- 928 Mixed. $\frac{1}{8}$ oz., 35c; pkt., 15c.

Giant Non-Resistant Varieties

California Giants 2 ft.

California Giants combine the fluffy or feathered type of flower with the long, straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems $1\frac{1}{2}$ to 2 ft. long.

- | | |
|-------------------------------|-------------------------------|
| 594 Appleblossom, shell pink. | 604 Peachblossom, opens white |
| 596 Crimson. | flushes lavender pink. |
| 601 Deep Rose. | 600 White. |
| 602 Dark Purple. | |

Each of the above, Pkt., 15c; 3 pkts. for 40c.

- 610 Mixed. $\frac{1}{8}$ oz., 40c; pkt., 15c.

Giant Mammoth Peony Flowered $2\frac{1}{2}$ to 3 ft.

The flowers are immense, very double, borne on long, stout stems, free from lateral. Splendid for cutting as they keep longer than any other variety.

- | | |
|-------------------------------------|----------------------------------|
| 931 Azure Fairy. Clear azure blue. | 936 Peachblossom. |
| 935 Maiden's Blush. Delicate flesh. | 937 Rosebud. A clear, deep rose. |
| 933 Purple Robe. Rich purple blue. | 934 Swan's Down. Pure white. |

Each of the above, Pkt., 20c; 3 pkts. for 50c.

- 938 Mixed. $\frac{1}{8}$ oz., 40c; pkt., 15c.

Giant California Sunshine 3 ft.

The flowers are large, with loosely placed outer petals contrasting with the creamy yellow or blue centers, giving a lacy effect which is quite delightful.

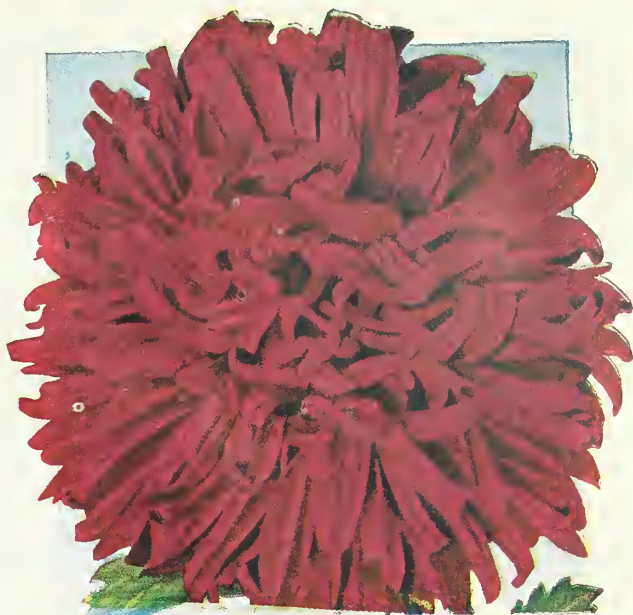
- | | |
|------------------------------------|-----------------------------------|
| 882 Apple Blossom, shell pink. | 886 Purple, dark blue. |
| 884 Enchantress Pink, salmon pink. | 885 Rose, light rose or deep pink |
| 885A Light Blue | 883 White. |
| 885B Lavender, azure blue. | |

Each of the above, Pkt., 25c; 3 pkts. for 65c.

- 887 Finest Mixed. $\frac{1}{8}$ oz., 50c; pkt., 25c.

Vaughan's Excelsior Mixture of Tall Asters, All Types

990 A mixture of the most beautiful, tall-growing Asters, Wilt Resistant and Non-Resistant, including the varieties listed and others. $\frac{1}{8}$ oz., 50c; large pkt., 25c; pkt., 15c.



943 ASTER Super Giant, El Monte. Pkt., 20c.

Super-Giants, Largest of All

Largest and most fully double Asters, with flowers from 6 to 8 inches across, plants $2\frac{1}{2}$ ft. tall, with six to eight long stems. Early flowering.

943 El Monte. Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season. $\frac{1}{8}$ oz., 50c; pkt., 20c.

942 Los Angeles. Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. $\frac{1}{8}$ oz., 50c; pkt., 20c.

Best of All Reds

646 Scarlet King (Beacon). 20 in. Finest of all red Asters; fully double flowers of color even more intense than Heart of France. Excellent for cutting. One of our customers wrote us last spring: "One of the outstanding flowers in bloom in my garden last year was your Aster Scarlet King (Beacon)." Pkt., 15c.

ASTER W. R. Giant Harmony, Moonlight, Morning Mist, Sunrise.
ASTER Extra Early Crego Navy Blue. ASTER Victory Giants Mixed.

See Novelty Pages

Dwarf Section

726 Dwarf Mixed, All Types and Colors. They are charming little plants—bushy in habit, completely covered with miniature flowers in dainty colors. Excellent for rock gardens and low borders, flowers appear early and last for a long time. Pkt. 20c.



Imbricated Pompon 20 in.

Flowers very freely produced, often as many as 20 to a plant. Blooms very early. The small round Pompon blossoms have an outside row of short guard petals. Blooms about two weeks earlier than Lilliput.

- | | | |
|---------------|-----------|------------|
| 590 Lavender. | 588 Rose. | 587 White. |
|---------------|-----------|------------|

Each of the above, pkt., 15c; any 3 pkts. for 40c.



933 ASTER Peony Flowered Purple Robe. Pkt., 20c.



255 Ribbon Planting of **Vaughan's ALYSSUM Little Gem.** Pkt., 10c.



275 **AMARANTHUS Tricolor.** Pkt., 10c.

Amaranthus

Culture: A, B, D or E, Page 67

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

267 **Caudatus (Love Lies Bleeding).** 3 ft. Drooping red spikes. Pkt., 10c.

275 **Tricolor (Joseph's Coat).** 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c.

285 **Vaughan's Special Mixture.** A well balanced mixture of the above and others. Pkt., 10c.

Anagallis (Pimpernel)

(Poor man's Weather Glass)

Culture: A, B, D or E, Page 67

307 **Coerulea.** 11 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. Real turquoise-blue. ½ oz., 25c; pkt., 10c.

308 **Scarlet Pimpernel.** 11 in. "The Scarlet Pimpernel," immortalized by Baroness Orczy in her famous novel. A brilliant half-hardy annual which can be sown outdoors where the plants are to bloom, and will give a display all summer. Pkt., 25c.

309 **Terra Cotta Red.** 11 in. New, vivid. Pkt., 15c.

305 **Mixed.** 11 in. Blue and scarlet flowers, effective as edgings, also charming on rockwork and in pots. ½ oz., 25c; pkt., 10c.

See Perennial Pages Also.

Sweet Alyssum

Ideal for Edging

Culture: A, B, D or E, Page 67

IT IS truly queen of edging plants whether grown in a continuous ribbon or alternated with Violet Queen, yellow Signata Marigold, or dwarf Ageratum. Its white flowers never fail; it is amazingly vigorous and hardy, and exceptionally uniform.

255 **Vaughan's Little Gem (White Carpet).**

4 in. The plants are so completely covered with snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. ¼ lb., \$2.00; 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; pkt., 10c.

250 **Maritimum (Sweet Alyssum).** 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. 1 oz., 40c; ½ oz., 25c; pkt., 10c.

259 **Violet Queen.**—See Novelties. Pkt., 15c.

261 **Lutescens.** 8 in. Dwarf, cream or straw color. Pkt., 10c.

See also Perennial Pages.

Amberboa

Culture: A, B, D or E, Page 67

294 **Muricata.** A most pleasing annual flower, easy to grow, long blooming season, fine for cutting, and the garden. Flowers are 3 inch fringed laced stars of tyrian purple with lighter cushion centers. Good foliage. Drought resistant and hardy. Pkt., 15c.

Ammobium (White Immortelles).

Culture: A or B, Page 67

295 **Winged Everlasting.** 2½ ft. Pretty white Everlasting. Grows well in sandy soil. Pkt., 10c.

Anchusa

2 ft.

Culture: A, B, D or E, Page 67

311 **Blue Bird.** Compact habit and bearing its flowers in a luxuriant bouquet at the top of the plant. Flowers are of an intense blue with a distinct white eye. Blooms all summer. One of the best blue annuals. Try it with *Cacalia*. You will enjoy the blue of the *Anchusa* with the yellow and henna shades of the *Cacalia*. ½ oz., 25c; pkt., 15c.

For others see Perennial Pages.

Anoda Mexican Cup

4 ft.

Culture: A or D, Page 67

3223 **The Opal Cup.** Luxuriantly growing plant bearing cup-shaped flowers 2¼ inches across, of changeable coloring, blue lavender in shadow, pink in sun. Flowers in five weeks from seed and continues until frost, forming bush a yard in circumference. Pkt., 25c.

3221 **The Snow Cup.** The blossom-cups are as white as new snow. Keep the plants well spaced for best effect, and wait until it gets into its full swing of blossoming before you judge it. Then you will like it. Blooms for a full five months, providing, of course, that hard freezing does not come. Pkt., 25c.



307 **ANAGALLIS Coerulea.** Pkt., 10c.



450 **ARCTOTIS Blue-Eyed African Daisy.** 10c.

Arctotis

African Daisy

Culture: A, B, D or E, Page 67

449 **Breviscapa Aurantiaca.** Deep shade of orange yellow with purple disk. A deep and most attractive shade. Pkt., 25c.

450 **Grandis (Blue-Eyed African Daisy).** 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. ¼ oz., 30c; pkt., 10c.

451 **New Hybrids.** 8-12 inches. A new race resembling the famous *Gerberas*, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.

ASPARAGUS—See page 66.



1146 **BRACHYCOME Mixed.** Pkt., 10c.

Brachycome

(Swan River Daisy)

Culture: A, B, D or E, Page 67

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small *Cinerarias*, suitable for edgings, small beds or pot culture.

1146 **Mixed.** All colors. ½ oz., 25c; pkt., 10c.

Asperula (Blue Woodruff)

Culture: A or B (March-June, D or E (Feb.), Page 67

490 **Azurea Setosa.** 1 ft. A dainty little annual producing terminal clusters of gray-blue flowers from June until August according to the time seeds are sown. The best results follow early sowing. A shade-loving plant. Pkt., 10c.

For *Asperula Odorata*, see Perennial Pages.

241 **ALONSOA Miniata.** One of the brightest scarlet annuals. Fine compact habit and very free-flowering. Pkt., 15c.

All the Best New Snapdragons

Culture: A or B, D or E. Page 67

425 Vaughan's Special Mixture of Snapdragons. (Antirrhinums). Includes all the varieties, providing a never ending color feast of long stemmed cut flowers. 1oz., \$1.50; ¼ oz., 40c; ⅛ oz., 25c. Pkt., 15c.

Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.

Rust-Resistant Maximum

Giant Flowered. Spikes 32 inches tall, and blooms 2 to 2½ inches across.

These have huge individual flowers and flower spikes.

- 341 **Maximum Alaska.** White.
 - 342 **—Autumn Glow.** Copper shades.
 - 343 **—Campfire.** Pure luminous scarlet.
 - 344 **—Canary.** Yellow.
 - 343A **—Copper King.** Burnished copper.
 - 341C **—Crimson.** Fiery crimson.
 - 344C **—Daffodil.** Beautiful two-tone yellow.
 - 345 **—Fair Lady.** Silver pink with white tube and yellow tip on lip.
 - 424 **—Golden Rod.** The most rugged and most rust-resistant of all Snapdragons. Spikes stand up like rods. Plants are base branching, 26 in. tall with many unusually thick, erect, well-filled spikes of large, bright golden yellow flowers, the edges of which are delicately waved and crinkled.
 - 342A **—Golden Glory.** The deepest yellow.
 - 343B **—Indian Summer.** Coppery orange-scarlet.
 - 346 **—Loveliness.** Puresoft rose-pink.
 - 347 **—Red Cross.** Deep rich crimson, white tubes.
 - 341B **—Rose Brilliant.** Rich deep rose.
 - 341A **—Swing Time.** Loveliest rose-pink, a bright yellow lip and white tube.
- Each of above maximum type, Pkt., 20c; any 3 pkts., 50c.

348 All the above Rust-resistant Maximum Snapdragons Mixed. Pkt., 25c; 3 pkts., 65c.

See Also Novelties.

MAJUS GRANDIFLORUM—Large Flowering. 22 in.

- 344B **Grandiflorum Daintiness.** (Pink Domino). Rose pink, white tube.
 - 350A **—Opal Queen.** A delicate combination of salmon and apricot, pale yellow lip.
 - 348A **—Orange Shades.**
 - 345A **—Reveille.** Softly tinted by the golden rays of an early sunrise, Reveille is a deep luminous yellow with the upper lip of each floret toning to a lighter lemon yellow.
 - 336 **—Rosalie.** A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color, which greatly intensifies the depth and richness of color. Plants base branching and produce 6 to 8 huge flowering spikes on which the florets are decidedly well arranged.
 - 337 **—Salmon Pink.**
 - 338 **—Shasta.** Pure white.
 - 353 **—Stoplight.** Copper scarlet.
 - 352 **—Yellow Jacket.** A clear deep yellow.
- Each of above, pkt., 20c; any 3 pkts., 50c.
- 355 **Majus Grandiflorum Mixed.** Pkt., 20c.

SUPER-MAJESTIC TYPE—Semi-tall Giant Flowered

- 327 **Orange Shades.** Marvelous shades of rose deeply overlaid tangerine or golden orange.
 - 326A **Rose Sensation.** Richest rose pink with a slight touch of salmon.
 - 329 **Royal Crimson.** Garnet crimson.
 - 331 **Silver Pink.** Lovely deep pink with a white blotch on the lower lip.
 - 332 **Super-Majestic Type Mixed.**
- Each of Super-Majestic type, pkt., 20c; any 3 pkts. for 50c.



Typical Florets of Vaughan's Giant Rust-Resistant Snapdragons

| Left side, reading down. | Right side, reading down. |
|--------------------------|---------------------------|
| 341A Swing Time | 343 Campfire |
| 344 Canary | 346 Loveliness |
| 343B Indian Summer | 347 Red Cross |
| 336 Rosalie | 424 Golden Rod |
| 338 Shasta | 329 Royal Crimson |

Each of above, pkts., 20c; any 3 for 50c.

Menlo Park, California
 "What wonderful results I received from your seeds! My snapdragons have spikes 36 in. long and are still growing in the most beautiful array of colors. I have received a lot of compliments on my flowers."
 R. C. L.

Not-Resistant

Semi-Tall Sorts, 18 to 20 inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

- 363 **Amber Queen.** Amber overlaid chamois pink, gold lip.
- 368 **Black Prince.** Nearly black, small dark leaves.
- 379 **Empress.** Rich crimson.
- 384 **Flame.** Brilliant orange-scarlet.
- 390 **Golden Queen.** Rich yellow.
- 398 **Nelrose.** Old rose, shaded blush.
- 398B **Othello.** Dark maroon satin sheen, dark foliage.
- 404 **Prima Donna.** Terra-cotta pink.
- 358 **Rose Eclipse.** Deep lustrous rose.
- 407 **Silver Pink.** Pearl pink self.
- 358A **St. George.** Rich deep rose.

Each of the Semi-Tall sorts, pkt., 10c; 3 for 25c.

The superintendent of a large midwest city park wrote us as follows on September 19, 1942:

"Black Prince brought a lot of attention from the visitors in the garden and we think that it is as good a bedding Snapdragon as we have ever seen. It is very uniform in growth and the color is something to write home about.

"Personally I will take my hat off any time to Snapdragon **St. George**. I think it has the most substantial kind of blossom that any Snapdragon could possibly have and the size of the blossoms together with the color, immediately attracts the attention of the visitors."

- 409 **Semi-Tall Mixed Majus Nanum.** ⅓ oz., 45c; pkt., 10c.

320A **Majestic Rose Princess.** Individual flowers are of giant size and the color is a brilliant cerise rose with center overlaid gold. Pkt., 25c.

ROCK HYBRIDS ×

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

- 433 **Baby Rose.** Very free flowering, compact plants covered with flowers of a deep pink self tint. Much deeper in color than Magic Carpet. Pkt., 20c.
- 432 **Magic Carpet.** A Snapdragon of almost creeping habit, covered with soft pink flowers. Pkt., 25c.

Baileya

Culture: A or B, Page 67

2117 **Multiradiata. (Desert Sunray)** Charming flowers, with a thrifty, cultivated appearance like that of a garden flower. The plant is a foot tall with grayish-green woolly stems and foliage, and the handsome flower is an inch and a half across, with a fine ruffle of many bright yellow rays, prettily scalloped, and a yellow center, rather deeper in color. Pkt. 35c.

BABY'S BREATH, See Gypsophila Paniculata.

Balloon Vine (Love in a Puff) □ =

Culture: D or E, Page 67

995 A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. Pkt., 10c.

Balsam Apple and Pear 10ft. □ =

Culture: A or B, Page 67

1008 **Mixed** Ornamental and quick-growing climber. Excellent in covering unsightly places. Flowers are followed by ornamental fruits. Pkt., 10c.

Bartonia (Blazing Star) □ 2 ft.

Culture: A, Page 67

1070 **Aurea.** Showy golden-yellow flowers above its gray and downy thistle-like foliage, exceedingly brilliant in the sunshine. Sow where it is to remain, as it does not bear transplanting. Pkt., 10c.



1052 BUSH BALSAM Pink. Pkt., 25c.

Bush Balsam □ 1½ to 2 ft.

Gardenia Flowered

Culture: A, B, D or E, Page 67

Free-flowering double Balsam of bushy growth, flowers appear in clusters on the top of stems instead of hidden on side of stems. It is a fine border plant. One of our customers wrote us this year: "My Dwarf Bush Balsams looked exactly like little rose bushes."

1052 Pink. 1055 White Reflected Rose.

1054 White. 1056 Rose.

1057 Torch. Vermilion red, rich in color, vigorous and free flowering.

Each of above, pkt., 25c; any 3 pkts. for 65c.

1051 Mixed. ¼ oz., 50c; pkt., 25c.

Balsam (Lady Slipper) □

An old favorite producing double flowers clustered in the axils of the leaves on short stems. The plants like hot sun, rich soil and plenty of water.

1014 Crimson. 1018 Dark Blue.

1025 Lilac.

1010 Pure White.

1027 Prince Bismarck. Salmon-pink.

1031 The King. Brilliant scarlet.

1033 The Queen. Satiny salmon-pink.

Each of above, pkt., 10c; any 3 pkts. for 25c.

1040 Double Rose and Camellia-flowered Mixed. ¼ oz., 25c; pkt., 10c.

1045 Vaughan's Invincible Balsams, Mixed. Includes the Bush Balsams and others not listed. ¼ oz., 25c; pkt., 10c.

BEGONIA See page 66—House Plants from seed.

BLANKET FLOWER See Gaillardia.

BLAZING STAR See Liatris.

BLUE BELLS OF SCOTLAND See Campanula Rotundifolia.



1131 BELLIS. Monstrosa Double Mixed. 15c.



1138 BELL OF IRELAND. Pkt., 25c.

Irish Green Bellflower □

Culture: D, E, A or B, Page 67

1138 Bell of Ireland. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell-shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt., 25c.

Oct. 14, 1942

One of our friends wrote us she had used the Irish Bell Flower in a decorative scheme in her Woman's Club and the reaction was surprising. All were interested and one member called them "architectural" green Delphiniums. She further writes the flowers are drying nicely and she expects to use them in winter arrangements.



1168 BUTTER DAISIES Pkt., 15c (Verbena Encelioides)

Showy Butter Daisies

Culture: A or B, Page 67

1168 Verbena Encelioides. □ 40 in. A showy easily grown annual bearing 1½ inch flowers continuously throughout the summer. Good cut flower or border annual. Pkt. 15c.

English Daisy ① □

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 67

Double Giant Daisies of robust habit. Remarkably fine effects are obtained when associated with Pansies or Forget-me-nots in beds or borders.

1119 Monstrosa Alba. Large white. Pkt., 15c.

1121 —Red. Pkt., 15c.

1123 —Rosea. Light rose. Pkt., 15c.

1131 —Mixed. Pkt., 15c.

BIDENS Humilis See Cosmos Miniature Golden.

BLACK-EYED SUSAN See Rudbeckia (Perennial seeds) and Thunbergia (annual seeds).



1155 BROWALLIA Speciosa Major. Pkt., 25c.

Browallia □

Culture: A or B, Page 67

Profusely blooming bedding plant, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. In the garden they grow with 12 inch stems and make fine cut flowers.

1157 Blue. Pkt., 10c.

1156 White. Pkt., 10c.

1160 Mixed. Blue and white. Pkt., 10c.

1161 Sapphire. Flowers of intense blue, white eye, like large lobelia. Pkt., 25c.

1155 Speciosa Major. Brilliant ultramarine blue, a rare color; for border or hanging baskets. Pkt., 25c.

BURNING BUSH See Kochia and Dictamnus.

BUSH ESCHOLTZIA See Hunnemannia.

BUTTERFLY FLOWER See Schizanthus.

BUTTERFLY WEED See Asclepias Tuberosa.

Grow Cacti from Seed

Culture: C, D or E, Page 67

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of from 14 to 40 days.

1251 Cacti. All kinds and forms mixed.

Pkt. (50 seeds), 25c; 5 pkts. for \$1.00.

Hardy Perennial Cacti—See Perennial pages.

Cacalia (Tassel Flower) □ 2 ft.

Culture: A only, Page 67

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect.

1170 Mixed. Scarlet and yellow. ¼ oz., 25c; pkt., 10c.



1170 CACALIA (Tassel Flower.) Pkt., 10c.

New Giant Calendulas

Culture: A, B, D or E, Page 67

Calendula is one of the best annuals for the garden or greenhouse, being equally at home in either place. Vast improvements in size, shape and color of late years have changed the original "Pot Marigold Cinderella" into a Royal Princess. Keep the flowers cut for continuous blooming.

During warm weather the flowers may single out but will return to full doubles when the weather turns cool. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die.

1198 Apricot. A flat petaled variety of a bright apricot shade, deepening slightly towards the center. Pkt., 10c.

1194 Ball Gold. Extra long stemmed, large deep golden yellow. Pkt., 15c.

1194A Ball Lemon Queen. Deep lemon yellow with attractive brown eye. Pkt., 15c.

1191 Ball Orange. It has fine stems and immense double flowers of a brilliant glistening orange. Pkt., 15c.



1192 CALENDULA Masterpiece. Pkt., 15c.

1200 Campfire (Sensation). Flowers grow 4 inches wide, completely double, are of a deep orange. It grows vigorously with exceptionally strong, heavy stems. Especially selected stock. $\frac{1}{8}$ oz., 50c; pkt., 15c.

1189 Yellow Sunshine. Large, double flowers on long, stout stems, petals broad and drooping, giving the flower a globular form. A pleasing buttercup-yellow color, free from Calendula odor and keeps well in water. Pkt., 10c.

1192 Masterpiece. Extra long-stemmed deep orange with brown center $\frac{1}{8}$ oz., 40c, pkt., 15c.

1197 Moonlight. A beautiful soft cream yellow, with petals of the Chrysanthemum type, nearest approach to white of all Calendulas. The soft pale yellow harmonizes with anything, especially with the blue of the Centaurea. Pkt., 15c.

1190 Orange King. 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. Pkt., 10c.

1203 Orange Shaggy. 18 in. Long fringed petals overlapping form a flower resembling some Chrysanthemums. Deep orange turning lighter at the center gives a two-tone effect. Long stems. Pkt., 10c.



1245 CALLIOPSIS Vaughan's Special Mixed. Pkt., 10c.

1200B Yellow Colossal. 18 in. Most profuse blooming of all bearing $4\frac{1}{2}$ -inch fully double flowers of a clear, bright yellow. Plants blooming 18 weeks and continue for three months. Pkt., 10c.

1204 Orange Fantasy Crested. 15 in. Outer petals are long and twisted; inner petals are short and fantastically curled and interlaced, to form a heavy crest which surrounds a large mahogany-bronze center. Flowers grow $3\frac{3}{4}$ inches, of deep bronzy orange, edged mahogany-red. Pkt., 10c.

1202 Pastel Bedding Mixture. A balanced selection of dwarf varieties, in light apricot, salmon, orange, lemon and cream. Pkt., 10c.

1207 Trial Ground Mixture. Saved from the trial grounds of one of our growers who specializes in Calendulas. This fine blend is composed of all of the standard varieties plus varieties on which they are working and not yet introduced. The color ratio is $\frac{2}{5}$ Lemon and $\frac{3}{5}$ Orange. Pkt., 15c.

1205 Mixed, all colors. For woodlands and perennial borders. $\frac{1}{4}$ oz., 20c; pkt., 10c.

1206 CALENDULA Vaughan's Special Mixture. Besides listed varieties, this mixture includes many others, giving a delightful collection for cut flower use or exhibition. Prepared by a formula which assures balanced representation of colors and types. $\frac{1}{4}$ oz., 50c; pkt. 15c

Gay Calliopsis Clan

Culture: A, Page 67

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self seed.

1211 Crimson King. This is a dwarf variety with rich dark crimson flowers. Pkt., 10c.

1210 Crown of Gold. 20 in. Pure golden yellow. 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c.

1216 Golden Wave. 2 ft. Yellow with circle of crimson-brown around the eye. Pkt., 10c.

1220 Golden Crown. A rich orange-yellow a third larger than Golden Wave. It has a pleasing fragrance and is nice for cutting, with 12-inch wiry stems. Pkt., 10c.

1217 Nigra Speciosa. 3 ft. Rich maroon. Pkt., 10c.

1240 Double Mixed. All colors. Pkt., 10c.

1235 Dwarf Varieties, Mixed. Valuable for small mixed beds and borders. Pkt., 10c.

1245 CALLIOPSIS Vaughan's Special Mixture. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. $\frac{1}{4}$ oz., 30c; pkt. 10c

Calandrinia

Culture: B, D or E, Page 67

1174 Umbellata Amaranth. 3 in. A sun loving dry weather perennial rock plant that blooms from seed the first year if sown early. Vivid purple flowers make a rich display from July through September. Member of Portulaca family. Pkt., 25c.

Calceolaria— See page 66—House Plants from seed.

Annual Canterbury Bells

Culture: D or E, Page 67

Annual varieties of this splendid flower family bloom in about six months from seed, growing to $2\frac{1}{2}$ ft., and bearing six to eight spikes of bloom. A splendid late summer border flower.

1305 Mixed. Contains all the colors so far developed of the annual strain including dark and light blue, pink, rose and white. Pkt., 10c.



1189 CALENDULA Yellow Sunshine. Pkt., 10c.

Candytuft (Iberis)

Culture: A, B, D or E, Page 67

Successive plantings give flowers all summer. May be sown late in Fall in Tulip beds.

1260 Giant Hyacinth-Flowered White. 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. 1 oz., \$1.00, $\frac{1}{4}$ oz., 25c; pkt., 10c.

Umbellata 1 ft. Flowers in umbrella form.

1275 Alba. White.

1276 Carmine.

1279 Crimson.

1277 Flesh.

1282 Rose Pink.

1287 Mixed. $\frac{1}{4}$ oz., 25c.

1286 Lilac. Each of the above, pkt., 10c; 3 pkts. for 25c.

1290 Dwarf Hybrids Mixed. 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. $\frac{1}{4}$ oz., 25c; pkt., 10c.

1291 Dwarf White. A rich reddish purple.

1293 Dwarf Rose. 1995 Dwarf Lilac.

Each of above, pkt., 10c; 3 pkts., 25c.

1289 Little Prince. 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf sturdy plants. $\frac{1}{4}$ oz., 30c; pkt., 10c.



1290 CANDYTUFT Dwarf Hybrids Mixed. Pkt., 10c.



1390 CARNATION Vaughan's Special Mixture (100 Seeds), 25c.

Cardinal Climber □ = 25 ft.

Culture: A or B, D or E, Page 67

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. The vines are a favorite playground of dainty humming birds. ¼ oz., 30c; pkt., 10c.



1320 CARDINAL CLIMBER. Pkt., 10c.

CARDINAL FLOWER—See Lobelia Cardinalis in Perennial pages.

CASTOR OIL BEAN—See Ricinus.

CATCHFLY—See Silene in Perennial pages.

Giant Carnations

Culture: A or B, D or E, Page 67

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Plants lifted in fall, cut back will bloom again indoors.

1390 CARNATION Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom in the house. Pkt. (100 seeds), **25c**

St. Paul, Minn., August 15, 1942
"I am delighted beyond expression with the Carnations from your Special Mixture."—Mrs. W. A. L.

Giant Enfant de Nice Carnations. They are of compact growth with extremely stiff stems bearing flowers 2¼ to 2¾ inches without disbudding. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

1325 White. 1327 Rose.

1326 Salmon. 1328 Red.

1329 Mixed from varieties noted above.

Each of above, pkt. (100 seeds), 35c.

Improved Early Flowering Perpetual. Plants bloom in five months and continue all summer. The flowers are very double, clove scented of large size, on stiff stems 15 to 18 inches high. Outstanding in our Trial Grounds last summer. Our strain will produce 90% double flowers and true color.

1336 White. 1340 Scarlet.

1337 Yellow. 1341 Maroon.

1338 Rose Pink. 1342 Salmon Rose.

1339 Flesh Pink. 1343 Mixed all colors.

Each of the above, pkt., 25c; any 3 pkts. for 65c.

1350 **Giant Margaret Mixed.** Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt. (100 seeds), 15c.

See Novelties and Perennials.

Celosia (Cockscomb) □

Culture: A, B, D or E, Page 67

THE name Cockscomb is derived from the resemblance of the flower heads of the crested type to a cock's comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil. Easily dried for winter use.

Crested Dwarf Sorts 8 to 10 in.

1410 **President Thiers.** Fine dwarf habit with bronzy foliage and large, velvety crimson combs.

1415 **Empress.** Blood-red combs and brown foliage.

1420 **Aurea.** Golden yellow combs.

1421 **Rose.** 1430 **Dwarf Mixed.**

Each of above, pkt., 15c.

Crested Tall Sorts 18 to 24 in.

1432 **Crimson.** Pkt., 15c.

1435 **Tall Mixed.** Pkt., 10c.

Ostrich Plume Sorts

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

1440 **Aurea.** Orange. 1447 **Scarlet.**

1445 **Coccinea.** Crimson. 1450 **Mixed.**

Each of above, pkt., 10c.

1455 **Thompsoni Magnifica.** Mixed. 2-3 ft. A

choice strain of the Ostrich Plume Celosias. Pkt., 10c.

1475 **Dwarf Ostrich Plume Varieties Mixed.** 15 in. Good for pots and beds. Pkt., 25c.

ANNUALS FOR ROCK GARDENS FOR SUMMER COLOR

Culture: A or B, Page 67

4574 **Rock Garden Annuals, Vaughan's Special Mixture.** A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. ¼ oz., 50c; pkt., 25c.



1472 CELOSIA Royal Velvet. Pkt., 25c.

1472 **Royal Velvet.** 2 ft. Produces center and numerous long-stemmed plummy heads of richest crimson, on basal branches. Foliage bronzy green with reddish margins. Pkt. 25c.

Lilliput

The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs.

1476 **Fire Feather.** Red. Pkt., 25c.

1477 **Golden Feather.** Yellow. Pkt., 25c.



1463 CELOSIA Flame of Fire. Pkt., 25c.

1463 **Flame of Fire.** 18-20 in. Perfect pyramidal habit with center head and many side branches of a lush green. The branches terminate in circular feathery combs of fiery scarlet. Pkt., 25c.

Other Celosias

1465 **Chinese Woolflower, Crimson.** Grows 2 to 3 feet high with many branches terminating in a flower head resembling a ball of scarlet wool.

1466 **Chinese Woolflower, Deep Rose.**

1467 **Chinese Woolflower, Yellow.**

1468 **Chinese Woolflower, Mixed.**

Each of above Chinese Woolflower, per pkt., 15c; 2 for 25c.

1454 **Miracle Cockscomb Mixed.** Grows 2-3 ft. without branches terminated with enormous Cockscombs. September until frost. Pkt., 25c.

1456 **Parrot's Feather.** The stocky, branched plant bears terminal flower heads of fantastic shapes and varied coloring including silvery pink and salmon, red, maroon, yellow and orange. Pkt., 10c.

1460 **Pride of Castle Gould.** Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.

1470 **Spicata.** 3 feet. Round, pointed bloom, 3 to 4 inches in length. At first a soft bright rose, changing to silver-white. Pkt., 15c.
See also Novelties.

The Popular Centaureas

Culture: A, B, D or E, Page 67

Bachelor Buttons

Centaurea Cyanus Super Double

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer.

- 1505 **Black Boy.** Blackish maroon.
 - 1506 **Blue Boy.** The true cornflower blue.
 - 1507 **Pinkie.** Lovely true pink.
 - 1508 **Red Boy.** Deep glowing red.
 - 1509 **Snowman.** Pure white.
- Each of above, $\frac{1}{4}$ oz., 30c; pkt., 15c; any 2 pkts. for 25c.
- 1522 **Vaughan's Special Super Double Mixed.** Pkt., 15c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c.
 - 1504 **Jubilee Gem.** A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 inches in height. $\frac{3}{4}$ oz., 50c; pkt., 15c.
 - 1503 **Lilac Lady.** Is a dwarf growing variety like the Jubilee Gem, except in color, which is a bright lilac mauve. It is useful as an edging plant or for clumps in borders. Pkt., 15c.



1570 **CENTAUREA Imperialis Mixed.** (Sweet Sultan). Pkt., 10c.

Various Centaureas

- 1480 **Americana (Basket Flower).** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. $\frac{3}{4}$ oz., 25c; pkt., 10c.
- Combine the above with those of *Salvia* Indian Purple for unique arrangement.
- 1485 **Americana Alba (Star Thistle).** 2½ ft. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.
 - 1580 **Suaveolens.** 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. Pkt., 10c.

1590 **VAUGHAN'S SPECIAL MIXTURE OF CENTAUREAS.** Includes all the annual Centaureas, and a packet will produce cut flowers all summer. $\frac{1}{4}$ oz., 25c; pkt., 10c.

For other varieties, See Novelties and Perennial Pages.

- CHILEAN BELLFLOWER**—See *Nolana*.
- CHIMNEY BELLFLOWER**—See *Campanula Pyramidalis*.
- COCKSCOMB**—See *Celosia*.

"The Victory Flower Garden"



Culture: A, B, C or D
Page 67

1517 **Centaurea Cyanus Super Double. Red, White and Blue Mixed.**
□ Everyone will want flowers in our national colors this year. Here in a balanced mixture are giant Bachelor Buttons, Blue Boy, Snowman and Red Boy which most nearly approximate the hues of Old Glory. In the garden, in arrangements, and for men's button holes, they give just the right patriotic accent. Oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt., 15c.

- 1506 **Blue Boy.**
- 1509 **Snowman.**
- 1508 **Red Boy.**

Each of the above, $\frac{1}{4}$ oz., 30c; pkt., 15c; 3 pkts., 40c.

Giant Sweet Sultans Imperialis 2½ ft.

Finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition.

- 1566 **Amaranth.** Rich plum color.
- 1550 **Brilliant Rose.**
- 1545 **Delicate Lilac.**
- 1565 **Deep Lavender.**
- 1560 **Purple Crimson.**
- 1540 **White.**

Each of the above, pkt., 10c; 3 pkts. for 25c.

- 1570 **Imperialis, Mixed.** $\frac{1}{4}$ oz., 25c; pkt., 10c.

White Leaved (Dusty Millers)

All gardens need a few plants with gray foliage to tone down the brilliant colors. Sow early.

Culture: A, B, D or E, Page 67

- 1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. Pkt., 15c.
- 1600 **Gymnocarpa.** 1½ to 2 ft. Foliage finely cut of silvery gray color. $\frac{1}{4}$ oz., 25c; pkt., 10c.
- 1731 **CINERARIA Maritima Candidissima.** 1½ ft. is also known as Dusty Miller. Pkt., 10c.

CENTRANTHUS—See *Valeriana* in Perennial Pages.

Cheiranthus □

Culture: A or C, Page 67

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

- 1607 **Allioni (Siberian Wallflower).** 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Blooms from seed the first year. Pkt., 10c.
- 1608 **Golden Bedder.** Fragrant golden yellow flowers, larger than Allioni, are borne for a long season, if faded blossoms are kept picked. Pkt., 15c.

Coix □ 2 to 4 ft.

Culture: A or B, Page 67

- 1850 **Lachrymae (Job's Tears).** An ornamental grass with curious seeds which may be used as beads. Pkt., 10c.

CHINESE BELL FLOWER—See *Platycodon*.

CHINESE FORGET-ME-NOT—See *Cynoglossum Amabile*.

CHINESE LANTERN PLANT—See *Physalis Franchetti*.

CHINESE MONEY PLANT—See *Lunaria*.

CHINESE WOOL FLOWER—See *Celosia Childsii*.



1580 **CENTAUREA Suaveolens Yellow** Sweet Sultan. Pkt., 10c.



1607 **CHEIRANTHUS Allioni.** Pkt., 10c. (Siberian Wallflower)



1820 COBAEA Scandens. Pkt., 10c.

Cobaea (Cathedral Bells)

Culture: A, B, D or E, Page 67 □ = 30 ft.

1820 Scandens. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. $\frac{1}{4}$ oz., 25c; pkt., 10c.

1825 White. **1830 Mixed.** White and blue. Each of the above, pkt., 10c.



1870 COLLINSIA Mixed. Pkt., 10c.

Quaint Collinsias

Like a Pagoda.

□ 18 in.

Culture: A or B, Page 67
Also known as "Chinese Houses" because the tiers of whorled deeply-lipped flowers suggest Chinese pagodas. Grows in common soil, blooms freely from June to October. Good cut flower material, also fine for bedding and edging.

1870 Mixed. Many colors of these old-fashioned annuals in mixture. Pkt., 10c.



1855 COLEUS Vaughan's Rainbow Mixed. Pkt., 25c.

Chrysanthemums

ANNUAL SUMMER "MUMS" OR PAINTED DAISIES

Single Flowering Varieties 20 in.

Culture: A, B, D or E, Page 67

Of the easiest culture; flower profusely during the summer and fall. They are showy in the garden and fine for cutting. Prefer heavy soil. All types should be pinched back to encourage branching.

1635 Burridgeanum. Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.

1638 Eastern Star. Primrose, yellow disc, brown eye. Pkt., 10c.

1637 Eldorado. Bright canary, dark mahogany disc. Pkt., 10c.

1650 Northern Star. White, lemon yellow ring, dark eye. Pkt., 10c.

1620 Morning Star. Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.

1645 The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.

1627 W. E. Gladstone. Rich velvety purple, yellow ring. Pkt., 10c.

1655 Vaughan's Special Single Mixed. Showy flowers of bright colors. Pkt., 10c.

Double Flowering Varieties 2 ft.

1656 Coronarium Double White. Pkt., 10c.

1659 —Double Golden Yellow. Pkt., 10c.

1695 —Vaughan's Special Mixture of Double Chrysanthemums. Pkt., 10c.

1697 Inodorum Double, Bridal Robe. 10 inches. These sturdy little plants throw out their finely cut foliage from the base and deck themselves with a mantle of extra double pure white flowers. Pkt., 10c.

1647 Double Fringed. Improved Hybrids, choice mixed, rich colors, special selection. Pkt., 20c.

1664 Double Golden Crown. Has a robust constitution, 3 to 4 ft. tall, carrying from 50 to 60 flowers at one time. Rich golden flowers are double, with quilled petals. Pkt., 25c.

1700 Vaughan's Special Mixture. Single and Double sorts in finest mixture, including many varieties not catalogued. Pkt., 10c.

CINERARIA — See page 66.

See Novelty Pages for Korean Hybrids.

Coleus □ 2 ft.

Culture: D or E, Page 67

Very handsome and decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color.

1855 Vaughan's Rainbow Mixture. The handsomest foliage plant obtained from seed. The leaves often measure 8x10 inches; their color combinations are remarkably rich. Pkt., 25c.

1864 Glory. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequaled for the beautiful form and coloring of its large leaves. Pkt., 35c.

1860 Fine Mixed. Pkt., 10c.

Cleome Pungens (Spider Plant)

Culture: D or E, Page 67

□ 5 ft.

1800 Pungens. Stately, shrub-like plants producing showy, curious flower heads of rich rosy crimson. A good bee plant. Pkt., 10c.

Pink Queen and Golden. See Novelties.

Coral Flower □

Culture: A or B, Page 67

1996 An annual of jewel-like daintiness, vivid coloring and very decorative spoon-shaped thick leaves. Many stems growing some 30 inches tall and bearing, in loose alternate clusters, little five-pointed blossoms of luminous pink; then come airy long hanging capsules each like a bead of polished coral. Hundreds of them on each spire-like stem. Full sun, easy to grow, but seed waits until soil is warm before sprouting. Pkt., 20c.

CORNFLOWER ASTER—See Stokesia.

CORNFLOWER—See Centaurea.

CORN ORNAMENTAL SQUAW — See Gourd page.

COREOPSIS — See perennial pages.



1700 CHRYSANTHEMUM Vaughan's Special Single and Double Annual Mixed. Pkt., 10c.



1790 CLARKIA Vaughan's Special Mixture. Pkt., 10c.

Double Clarkia □ 2 ft.

Culture: A, B, D or E, Page 67

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier.

1735 Albatross. Pure white of upright growth.

1743 Brilliant. Bright carmine.

1757 Enchantress. A wonderful salmon pink.

1749 Firebrand. Brilliant coppery-scarlet.

1746 Illumination. Orange mingled with rose. One of the most beautiful.

1750 La France. Delightful pale salmon pink.

1747 May Blossom. Pure glowing rose which deepens to pink.

1751 Purple Prince. Rosy purple.

1755 Queen Mary. Bright carmine.

1761 Salmonea Perfecta. True salmon.

1762 Scarlet Queen. Glowing scarlet.

Each of above, pkt., 10c; any 3 pkts. for 25c.

1790 Vaughan's Special Mixture. Made up especially from the above named varieties. $\frac{1}{8}$ oz., 25c; pkt., 10c.

COLUMBINE—See Aquilegia in perennials.

CONEFLOWER—See Rudbeckia.

CONVOLVULUS, Morning Glory—See Page 36.

CORAL BELLS—See Heuchera in perennials.

CLOVE PINK—See Dianthus Plumarius in perennials.

Cosmos from July to Frost ☐

Culture: A, B, D or E, Page 67

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. Try the effect of Cosmos Sensation Pink with White Nicotiana Affinis in a low bowl for a lovely fairy-like combination.

COSMOS Sensation, New Giant Early Strain

Early flowering blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1964 **Sensation Dazzler**—See novelty pages. Pkt., 25c.

1968—**Pink**. A delightful rose-pink selection. Large pkt., 25c.

1967—**Purity**. A white with satin sheen. Large pkt., 25c.

1966 **Sensation Special Mixed**. Large pkt., 25c.

Single Early Flowering Mammoth 3 ft.

1935 **White**. 1945 **Crimson**. 1940 **Pink**.

Each of the above, pkt., 10c; 3 pkts. for 25c.

1950 **Early Flowering Mammoth Mixed**, all colors. $\frac{1}{4}$ oz., 20c; pkt., 10c.

Double Early Flowering 3 ft.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 **Pink**. 1991 **White**. 1992 **Crimson**.

Each of the above, pkt., 25c; 3 pkts. for 65c.

1994 **Mixed**. Above 3 colors. $\frac{3}{8}$ oz., 35c; pkt., 25c.

1979 **Orange Flare**. Well-branched plants, 3 ft. tall, covered with showy golden orange, flowers in about 3 months from seed, and blooms with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Give full sun. Does not need staking. $\frac{1}{8}$ oz., 35c; pkt., 15c.

1980 **Yellow Flare**. See novelty pages. Pkt. 25c.

1981 **Semi-Double Orange Ruffles**. Pkt., 25c.

See Novelty Pages

1954 **Miniature Golden** (*Bidens Humilis*). 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 10c.

Dahlborg Daisy ☐ 8 in.

Culture: A or B, Page 67

2047 The thrifty little plants grow about 8 inches high and a foot wide, and are quite covered with small yellow Daisy-like flowers. Absolute uniformity and early and continuous flowering to frost. Pkt., 25c.

Daisy Corner for Your Garden

2050 **Vaughan's Mixture of Annual Daisies**.

These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.

DELPHINIUM ANNUAL—See Larkspur.



1968 COSMOS Sensation. Pink. Pkt., 25c.



1979 COSMOS Orange Flare. Pkt., 15c.



1994 COSMOS Double Mixed. Pkt., 25c.

Cuphea, Firecracker Plant ☐

Culture: A or B, Page 67

1998A **Avalon Hybrids**. Compact plants seeming to be covered with fluttering, bright-hued butterflies. In lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermilion. Pkt., 25c.

1999 **Firefly**. 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. In full bloom it resembles a brightly decorated Christmas bush. Excellent for window box, flower pot, and rockery. Flowers in 12 to 14 weeks from seed and blooms continuously. The Des Moines, Iowa, Park used it in the window boxes around the City Hall and wrote on Sept. 19 the plants were still in full bloom. Pkt., 25c.

2001 **Lanceolata**. 40 in. Curiously formed flowers, the two large upper petals, richest maroon veined with velvety black and the four smaller lower petals are brilliant crimson. Tall growing, quite unlike the other varieties, blossoms carried on graceful wands of stems. Easy culture, comes into bloom early and is in flower all summer. Pkt. 25c.

CYCLAMEN—See page 66.

Cyperus

Culture: A or B, Page 67

2030 **Alternifolius (Umbrella Plant)** + $1\frac{1}{2}$ ft. Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape. Pkt., 10c.



1999 CUPHEA Firefly. Pkt., 25c.



Cosmidium Orange Crown ☐ 2 ft.

Culture: D or E, Page 67

1930 The flowers are golden yellow with a broad circle of a rich orange around the center disc. Bloom all summer. Pkt., 10c.



2015 CYNOGLOSSUM Blue Bird. Pkt., 10c.

Cynoglossum □ 18 to 24 in.

Culture: A, B, D or E, Page 67

2015 Amabile, Blue Bird Chinese Forget-Me-

Not. Produces long sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ½ oz., 25c; pkt., 10c.

2017 —Pink. Similar to the above but having lovely bright pink blooms. Pkt., 15c.

2018 —Fairy Blue. 2 ft. Flowers of bright Cambridge or sky blue tone. Pkt., 15c.

2020 Firmament. It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is to be recommended for growing in dry, even poor soil. 1½ ft. Pkt., 10c.

2016 Linifolium. 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c.



2040 CYPRESS VINE Mixed. Pkt., 10c.

Cypress Vine □ = 10 ft.

Culture: A, B, D or E, Page 67

A graceful, twining annual climber with fernlike foliage and star-shaped blossoms. Sow in May, first soaking seeds in warm water.

2040 Mixed. Scarlet and white. Pkt., 10c.

Datura (Angel's Trumpet) □ 3 ft.

Culture: A, B, D or E, Page 67

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. Seed must be planted indoors early to bloom in September. They should be given a light soil and sun.

2110 Double White Pkt., 10c.

Dahlias from Seed in 60 Days

2086 UNWIN'S DWARF HYBRIDS.

This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, red, orange, yellow and maroon. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. ¼ oz., \$1.00; ½ oz., 60c; pkt... 25c



2086 DAHLIA Unwin's Dwarf Hybrids. Pkt., 25c.

Grow Giant Dahlias from Seed

Culture: D or E, A or B, Page 67

It is easy, most interesting and fascinating to grow Dahlias from seed and enjoy the surprise of new colors and forms. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden.

The varied forms, from the giant Salbach varieties, to the single Coltness and the Unwin varieties, supply a great range of form and color.

DOUBLE DAHLIAS

2080 Double Best Mixed. 3 ft. Saved from show and fancy sorts. Pkt., 25c.

2075 Double Cactus Flowered Mixed. 3 ft. With twisted and curled petals. From a specialist's collection including unusual colors. Pkt., (60 seeds), 25c.

2089 Double Liliput Mixed (Pompon). 1 ft. This is the "Baby" of all Dahlias. Ball shaped flowers in many colors on rather compact plants. Pkt., 25c.

2081 Selecta Extra Double Giant Flowered. A most beautiful mixture of the very best new double dahlias, with flowers on stiff, erect stems. There is nothing better. Dahlias will bloom the first year from seed. Pkt. (50 seeds), 50c.

2083 Salbach Choice Mixed. 4 ft. If you want giant show flowers try this. 25 seeds, 35c; 100 seeds, \$1.00.

2084 Salbach Selected Mixed. 4 ft. 25 seeds, 75c; 100 seeds, \$2.50.

2087 Unwin's Ideal Bedding Mixed. The flower petals are nearly all twisted. Double and semi-double in many charming colors, excellent for cutting. Pkt., 25c.

2091 Zulu Strain. Dark bronzy leaved plants of the Unwin type, with semi-double flowers of crimson and scarlet. Pkt. (50 seeds), 35c.

Single Flowering

2056 Coltness Hybrids. 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, nearly all 3 in. in diameter. Pkt., 25c.

2057 Coltness Gem. 18 in. Bright scarlet, varies. Pkt., 25c.

2058 Coltness Yellow. 18 in. Good clear yellow. Pkt., 25c.

2060 Coltness White Gem. The best selection of white. Pkt., 25c.

2065 Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.

2088 Dobbie's Orchid Flowered Mixed. Petals twisted and curled, in a variety of colors. It comes 90 percent true from seed. Pkt., 25c.

Dracocephalum □ 18 in.

Culture: A or B, Page 67

2355 Moldavicum (Dragon's Head). A native of Siberia, has lace-shaped leaves, and fragrant bluish-violet flowers borne in long nodding racemes from July to October. A good honey plant. Pkt., 10c.

Echium □ 12 to 18 in.

Culture: A or B, Page 67

2358 Blue Bedder. Deep bright blue bell flowers in compact bushy plant. Pkt., 15c.

2090 DAHLIA Vaughan's Special Mixture.

This mixture contains seed from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, and Cactus varieties, also the single flowering sorts. Pkt., (60 seeds) 35c



2090 DAHLIA Vaughan's Special Mixture Pkt., 35c.

Any three packets of Coltness for 60c.

Brilliant Annual Pinks

DIANTHUS 1 ft.

Culture: A or B, D or E, Page 67

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations.

- 2300 DIANTHUS** *Vaughan's Special Mixture of Double Pinks.* Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. $\frac{1}{4}$ oz., 30c; pkt., 10c.

- 2251 Double Sweet Wivelsfield.** The original single was a cross of the Dianthus Alwoodi and Sweet William. This has the same characteristics only the flowers are double. Brilliant colors, some with honey fragrance. Pkt., 25c.

- 2250 Single Sweet Wivelsfield, Mixed Colors.** A cross of Dianthus Plumarius and Sweet William blooming the first year from seed. The flower heads resemble Sweet William in an almost unbelievable range of colors. $\frac{1}{4}$ oz., 30c; pkt., 15c.

- 2237 Heddewigii Chabaud Hybrid, Salmon Shades.** The plants branch from the base and throw up sturdy stems 12 to 16 inches high, crowned by large double flowers $2\frac{1}{2}$ to 5 inches across in various beautiful shades of salmon. Pkt., 20c.



2325 DIMORPHOTHECA Aurantiaca Hybrids. Pkt., 10c.

Golden African Daisy DIMORPHOTHECA □

Culture: A, B, D or E, Page 67

showy annuals from South Africa, about 1 ft. tall with gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure.

- 2320 Aurantiaca.** 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc.
2321 —Golden West. Bright golden yellow.
2322 —Salmon Beauty. Soft salmon pink.
2324 —White Beauty. A pure, glistening white.
 Each of the above, pkt., 10c.

- 2325 —Hybrids.** They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

- 2319 Double Hybrids Mixed** 8 in. Flowers averaging $1\frac{1}{4}$ in. have crested center. Approximately 65% crested, with some semi-doubles. It is a hot weather plant, native of Africa. Colors from deep salmon orange to white with many lemon and biscuit shades. Pkt., 25c.

- 2326 Ecklonis.** 3 ft. White 3 inch blossoms of velvety texture marked with a rich blue or purple eye; are produced on bushes with branching stems, from August, surviving light frosts. Pkt., 15c.

- 2318 Glistening White—**See Novelty pages. 25c.

VENING GLORY—See Ipomoea Bona Nox.

VENING PRIMROSE—See Oenothera in Perennial pages.

IGITALIS (Foxglove)—See Perennial Pages.

Double Flowering

- 2257 Chinese Double Mixed.** Handsome clusters of very double flowers; many bright colors. $\frac{1}{4}$ oz., 25c; pkt., 10c.
2258 Heddewigii Double Mixed. A fine mixture of colors, varying from the richest crimson to delicate rose.
2298 Diadem Double Mixed.
2290 Fireball. Large, double; rich, blood-red.
2280 Lucifer. Orange.
2296 Midnight. Blood-red.
2285 Mourning Cloak. Black purple, white margin.
2295 Rosalind. Rose.
2239 Salmon King. Pink.
2293 Snowdrift. Giant, fringed white flowers.
 Each of the above, pkt., 10c; any 3 for 25c.

Single Flowering

- 2236 Heddewigii Large Flowered Single Pinks.** Flowers 2 to 3 inches in diameter, borne profusely. Colors include pink, rose and white, and many marked with rose and red centers.
2238 Crimson Bell. Dark red.
2240 Laciniatus Splendens. Flowers of brilliant crimson, over 2 inches across, with fringed petals, have a boldly contrasting white center.
2196 Salmon Queen. Salmon scarlet.
2241 Vesuvius. Scarlet.
 Each of the above, pkt., 10c; any 3 for 25c.

- 2245 Vaughan's Special Mixture, Single Pinks.** The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. $\frac{1}{4}$ oz., 30c; pkt., 10c.

Everlastings—Annual

For Winter Bouquets

Culture: A, B, D or E, Page 67

- 150 Acroclinium Roseum.** Double. 2 ft., 10c.
295 Ammobium Alatum Grand. Pkt., 10c.
2525 Gomphrena. Mixed, all colors. Pkt., 10c.
2810 Helichrysum. Vaughan's Special Mixed. Pkt., 15c.
4683 Salvia Farinacea Blue Bedder. Pkt., 20c.
4795 Statice Russian (Suworowii). Pkt., 10c.
4800 —Bonduellii Superba. Yellow. Pkt., 10c.
4801 —Sinuata Rosea Superba. Pkt., 10c.
4803 —Kamp's Improved True Blue. Pkt., 15c.
5852 Xeranthemum Superbissima Dbl. Mxd. Pkt., 20c.
2440 Everlastings Mixed. 1 to 2 ft. A mixture of all varieties we list. Pkt., 15c.

Didiscus □ 3 ft.

Culture: A, B, D or E, Page 67

- 2310 Coeruleus (Lavender Lace Flower).** Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent cut flower. $\frac{1}{8}$ oz., 25c. Pkt., 10c.



2310 DIDISCUS Lavender Lace Flower. 10c.



- 2301 Vaughan's Special Mixture of Double and Single Pinks.** This magnificent mixture contains the cream of the annual pinks, both single and double. $\frac{1}{4}$ oz., 50c; pkt., 20c.



2340 DOLICHOS Mixed. Pkt., 10c.

Dolichos □ = 10 ft.

Culture: A, B, D or E, Page 67

If you have a wire fence which you want covered, we know of no plant more decorative than this. The flowers stand upright like Hyacinth flowers and are followed by attractive seed pods.

- 2330 Princess Helen (Daylight).** Snow-white flowers, silvery seed pods. Pkt., 10c.
2335 Purple Soudan (Darkness). Rose-violet flowers, ruby-purple seed pods. Pkt., 10c.
2340 Mixed. Pkt., 10c.
2345 Lignosus (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.



2415 **ESCHOLTZIA** Vaughan's Special Mixture. Pkt., 10c.

California Poppy

ESCHOLTZIA □ 12 in.

Culture: A, B, D or E, Page 67
Dainty free flowering plants of easiest culture with gaily colored Poppy-like flowers with a satiny finish. Plants of low spreading growth with finely cut silvery foliage. Do well in any well drained, loose soil and sunny position. Blooms early and continues until frost.

Dwarf Erect Varieties 1 ft. (Californica).

2396 **Ramona**. Frilled edges give it the appearance of a semi-double. Golden-bronze within and coppery-rose outside.

2414 **Ramona Hybrids, Finest Mixed**. The flowers are beautifully frilled and fluted, the petals incurving to form a flower which at first glance appears to be double. The plants are dwarf and compact and do not make a profuse foliage.

2399 **Tango**. Bronzy red overlaid terra cotta.

Spreading Varieties 1 ft. (Californica).

2370 **Carmine King**. Deep carmine.

2376 **Chrome Queen**. Soft amber buff.

2385 **Golden West**. Bright yellow, orange center.

2387 **Mandarin**. Inside orange, outside scarlet.

2404 **Sunlight**. A lovely canary yellow.

2398 **The Geisha**. Brilliant gold inside, orange-crimson outside, fluted.

2405 **Vesuvius**. Rich wallflower red.

Double and Semi-double Varieties.

2395 **Robert Gardiner**. Deep orange.

2410 **Double and Semi-double Mixed**.

Each of the above, pkt., 10c.

2389 **Monarch Art Shades**. A compact strain of large-flowering California Poppies in mixture distinct from other types. Flowers are semi-double, the colors ranging through light rose to deep rose and carmine, and from deep golden yellow to orange and scarlet. Pkt., 10c.

2415 **Vaughan's Special Mixture**. This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. $\frac{1}{4}$ oz., 30c. Pkt., 10c.



2435 **EUPHORBIA** Variegata (Snow on the Mountain). Pkt., 10c.

Felicia □

Culture: A, B, D or E, Page 67

2447 **Rotundifolia**. 6 in. The numerous flowers rise on wiry stems above the dark green leaves. The bright yellow discs are surrounded with ray florets of a fine Forget-me-not blue. They flower all summer. Pkt., 50c.

Flowering Kale

2458 **Flowering Kale**. Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale, but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. Pkt., 25c.

Gaillardia □

Culture: A, B, D or E, Page 67

One of the most profuse bloomers of the flower garden. Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and deserve to be included in every list. 18 in.

2475 **Lorenziana—Double Mixed**. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2471 **Picta Indian Chief**. 1 ft. Attractive flowers of deep coppery scarlet, accentuated by a dark brown center. Dense bushy plants. Pkt., 10c.

2470 **—Single Mixed**. Pkt., 10c.

See also Perennial Pages.



2475 **GAILLARDIA** Double Mixed. Pkt., 10c.

Euphorbia □ 2 ft.

Culture: A, B, D or E, Page 67

2430 **Annual Poinsettia, or Mexican Fire Plant**. Resembling in habit and color the beautiful hot-house Poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt., 10c.

2435 **Variegata (Snow on the Mountain or**

Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. $\frac{1}{4}$ oz., 25c; pkt., 10c.

Gilia □

Culture: A, B, D or E, Page 67

2532 **Capitata (Blue Thimble Flower)**. 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower as the blooms last well. May also be used as everlasting, retaining their color when dried. $\frac{1}{4}$ oz., 25c. Pkt., 10c.

2530 **Mixed**. 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.



2569 **GODETIA** Dwarf, Single, Mixed. Pkt., 10c.

Godetia (Satin Flower) □

Culture: A, B, D or E, Page 67

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil and half-shady situation.

Upright Growth, Single Flowers. 1 $\frac{1}{2}$ ft.

2571 **Duke of York**. Rich scarlet on white.

2574 **Kelvedon Glory**. 16 in. Glowing salmon orange, of exceptional brilliance, robust and free.

2594 **Orange Glory**. Fiery orange-cerise. Upright growth, double flowers.

Each of the above, pkt., 10c.

Upright Growth, Double Flower. 2 ft.

2591 **Gladiolus Flowered, Mixed**. Different from others, producing flower spikes much like a Gladiolus, which are closely set by double flowers in bright attractive colors. Pkt., 10c.

Compact Dwarf Growth, Single Flowers.

2573 **Gloriosa**. 10 in. Dark glowing red.

2579 **Lady Satin Rose**. 10 in. Satiny rose.

2576 **Rosamunde**. 8 in. Vivid rose with white.

2582 **Thunderbolt**. 10 in. Dark crimson, frilled.

2586 **White Swan**. 1 ft. Purest satiny white.

2569 **Single Dwarf Mixed**.

Each of the above, pkt., 10c.

Dwarf Double Azalea Flowered.

2577 **Sweetheart**. 12 in. Pink, cream overlay. Pkt., 10c.

2581 **Sybil Sherwood Double**. The flowers completely hide the foliage beneath a canopy of beautiful bright salmon pink, white edged flowers. Pkt., 10c.



2532 **GILIA** Capitata. Pkt., 10c.



GOURDS, Varieties Illustrated are, 1. Bottle Miniature (2607); 2. Ornamental Pomegranate (2630); 3. Large Dipper (2610); 4. Bird's Nest (2603); 5. Hercules' Club (2618); 6. Turk's Turban (2645); 7. Spoon (2643); 8. Warted (2646); 9. We Cannot Supply; 10. Apple-Shaped (2600); 11. Sugar Trough (2640); 12. Orange (2627); 13. Calabash (2608); 14. Nest Egg (2625); 15. Pear-Shaped (2635). Each, Pkt., 10c.

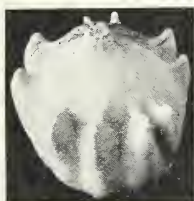
Gourds

Culture: A, B, D or E, Page 67

Large Gourd fruits make attractive decorations at harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. Leaflet on culture sent free if asked for with order.

Crown of Thorns Gourd

2609 Also known as Finger Gourd, Holy Gourd, Gourd of the Ten Commandments and Sugar Bowl. Ten prongs extend from the ridges or angles, standing free from the front part of the fruit. Some or all the prongs or fingers may bear a furrow or valley down the back and two points at the apex. The fingers are hollow when inside pulp or fiber dries away. The shell is hard and durable. Base of the Gourd, about the stem, shows the ten customary main grooves. It is white or ivory-white. Pkt., 25c.



LARGE FRUITED GOURDS

- 2603** Bird's Nest. For bird houses.
2605 Bottle. Large. The original Thermos bottle. Makes fine bird-houses.
2608 Calabash Pipe, Powder Horn or Penguin Gourd. Odd-shaped fruit which is used in making pipes.
2610 Dipper. Fruit makes an excellent dipper and may be used for birds' nests.
2615 Dishcloth, Towel or Sponge. Luffa Acutangula. The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of it. To speed up germination of Dishcloth Gourd, pour very hot water over seed and allow to stand for 12 hours. Plant immediately.
2617 Green Snake.
2618 Hercules' Club. Fruit grows 3 to 4 ft. long.
2622 Maranka (Cave Man Club or Dolphin). Knobby club shaped, dark green.
2640 Sugar Trough. Thick shells, very durable.
2645 Turk's Turban. Odd brightly colored fruit. Intermediate in size.
 Each of above, pkt., 10c; any 3 pkts. for 25c.
2651 Large-Fruited Sorts. Mixed. Oz., 40c; ½ oz., 25c. Pkt., 10c.

SMALL FRUITED GOURDS

- 2600** Apple-Shaped. Small fruits.
2607 Bottle Miniature.
2625 Nest Egg. Practical nest eggs.
2627 Orange. The well known Mock Orange.
2630 Ornamental Pomegranate or Queen's Sweet Pocket Melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens.
2634 Pear Bicolor. Green and white.
2635 Pear-Shaped. Striped yellow and green.
2636 Pear-Shaped White.
2643 Spoon. Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.

GOURDS—Continued

2646 Warted Sorts Mixed.

Each of the preceding, pkt., 10c; any 3 pkts. for 25c.

2650 Small Fruited Varieties Mixed. Oz., 40c; ½ oz., 25c; pkt., 10c.

2660 Vaughan's Special Mixture. All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. A bonanza for collectors. 1 oz., 40c; ½ oz., 25c; pkt. 15c

Sow with Gourds for Decorative Effect:

- 1927** CORN Ornamental Indian or Squaw. The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Pkt., 10c.
3211 MARTYNIA Proboscidea (Unicorn Plant). Fragrant creamy white flowers, compact plant, decorative seed pods. Pkt., 15c.

Gypsophila

Culture: A, Page 67

Graceful plants of light fairy-like growth. The misty bloom adds interest to a bouquet.

- 2681** Elegans Grandiflora Alba Special Selection. This is extremely free blooming, and petals considerably broader, making the flowers nice and round, without the usual cartwheel effect. About 10% will be the smaller flowered type. Oz., 60c; ½ oz., 40c; ¼ oz., 25c; pkt., 15c.
2682 Elegans Vivid Rose. Pkt., 10c.
2683 —Crimson. Pkt., 10c.
2686 —Mixed. ¼ oz., 25c; pkt., 10c.
 See also Perennial Pages.



2681 GYPSOPHILA Elegans Grd. Alba. 15c



Helichrysum

3 ft.

Culture: A or B, D or E, Page 67

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem.

- 2775** Fire Ball. **2770** Silver Ball.
2780 Golden Ball. **2771** Silvery Pink.
2785 Rose Queen. **2795** Violet Queen.
2790 Salmon Queen.
 Each of the above, pkt., 10c; any 3 pkts., 25c.

2810 HELICHRYSUM Vaughan's Special Mix-

ture of Helichrysums. This is a balanced blend of the varieties listed and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. It will produce material for many novel and attractive combinations for decorating the home. ¼ oz., 25c. Pkt. 15c

Gomphrena (Globe Amaranth)

Culture: A, B, D or E, Page 67. 18 in. □

A showy annual everlasting with clover-like heads

2525 Mixed, all colors. Pkt., 10c.

2520 Orange. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 10c.

Grasses Ornamental

Culture: A or B, Page 67

2670 Ornamental Mixed. □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. Pkt., 10c



2820 HELIOTROPE Mammoth Mixed. 15c.

Fragrant Heliotrope □ 2 ft.

Culture: A or B, D or E, Page 67

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seeds sown in the spring make fine plants for bedding out, and are as easily grown as Verbenas. It is to be regretted, however, seedlings tend to lose their rich fragrance. In fact none today is as heavy as in the past.

2820 **Mammoth Mixed.** Large flowers ranging from dark blue to lilac. Pkt., 15c.

Hollyhocks (Annual) □ 5 ft.

Culture: A or B, D or E, Page 67

The perennial varieties flower only the second year if grown from seed; these annual kinds, however, bloom the first year, and if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. Very striking planted near hemlocks or used for roadside planting for decorative effect.

2845 **Everblooming Double Mixed.** Double and semi-double. $\frac{1}{4}$ oz., 25c; oz., 80c; pkt., 10c.

2840 **Everblooming Single Mixed.** Large single flowers, exhibiting every shade known in Hollyhocks. $\frac{1}{2}$ oz., 25c; oz., 40c; pkt., 10c.

2842 **Indian Spring.** If sown in February it will bloom freely in early August, producing flowers of varying attractive bright rose and rosy-carmine semi-double. It grows a central stem which may attain six feet in height. Flowering branches are produced freely. Both stem and branches bear flowers. Pkt., 15c.

(For others, see Perennial List).



2842 HOLLYHOCK Indian Spring. Pkt., 15c.

Humulus □ =

Culture: A or B, D or E, Page 67

Rapid climber; foliage luxuriant, making a dense covering for verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 **Green Leaved.** Pkt., 10c.

2855 **Variegated Leaved.** Leaves beautifully variegated white, green and yellow. Pkt., 10c.

Annual Hibiscus □

Culture: A or B, Page 67

2836 **Trionum.** The plants are uniform, stiff and rugged, requiring no staking, and bloom from June to frost-time. The flowers are three inches across, of cream with a center of dark purple, dotted with orange stamens. Pkt., 15c.

For other varieties, see Perennial Pages.

Hunnemannia □ 1½ ft.

Culture: A or B, D or E, Page 67

2860 (**Bush Escholtzia, or Santa Barbara Poppy.**) The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The petals are broad and crinkled. Does best in well limed sandy soil. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2861 **Sunlite.** Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days as a cut flower. $\frac{1}{4}$ oz., 50c; pkt., 15c.



2861 HUNNEMANNIA Sunlite. Pkt., 15c.

Impatiens (Zanzibar Balsam)

For Shady Locations. ÷ □ 1½ ft.

Culture: A or B, D or E, Page 67

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom.

2875 **Holstii.** Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 15c.

2880 **Holstii Hybrids.** Range from pink through red shades to purplish-violet. Pkt., 15c.

JOB'S TEARS—See Coix Lachrymae.

KUDZU VINE—See Pueraria in Perennials.

Kochia—Burning Bush □ 2½ ft.

Annual Hedge Plant

Culture: A or B, D or E, Page 67

2965 **Childsii.** It resembles a close-clipped ornamental Evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. Oz., 25c; $\frac{1}{2}$ oz., 15c; pkt., 10c.

3844 ANNUALS FOR WINDOW OR PORCH BOX

Culture: A or B, Page 67

IN MIXTURE. A charming selection of quick growing annuals which will make a bright spot and interesting display. This is a formula mixture carefully prepared to include both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.



2991 LAVATERA Splendens Mixed. Pkt., 10c.

Lavatera—Annual Mallows □

Culture: A or B, Page 67

Showy plants, covered with large flowers. $2\frac{1}{2}$ ft.

2985 **Splendens Alba.** Silky, pure white. pkt., 10c.

2991 —Mixed. Pkt., 10c

2989 —Loveliness. —See Novelty pages for illustration and description. Pkt., 15c.

Lantana + 1 ft.

Culture: D or E, Page 67

2980 **Dwarf Hybrids.** Mixed. Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an aromatic perfume. Pkt., 15c.

LAVENDER LACE FLOWER—See Didiscus Coeruleus.

Quick Flowering Leptosyne □

Culture: A or B, Page 67

3010 **Stillmanii.** $1\frac{1}{2}$ ft. One of the quickest flowering annuals, blooming in five weeks and the Cosmos-like flowers continue for a long period. Pkt., 10c.

Jewel Flower □ 5 in.

Culture: A or B, Page 67

2961 **Leptosiphon French Hybrids.** Charming little plants, covered during the summer with small star-like blooms in many attractive shades. Pkt., 10c.

Linum—Annual Flax □

Culture: A or B, Page 67

Round 1 inch flowers last one day, new blooms appear every morning. Plants come into bloom very quickly.

3019 **Grandiflorum Coeruleum (Blue Flax).** $1\frac{1}{2}$ to 2 ft. Dainty flowers of pale blue. Pkt., 10c.

3020 —**Rubrum (Crimson Flax).** 2 ft. Brilliantly glowing crimson-rose. May be had in bloom from May to October by successive sowings. Pkt., 10c.



2965 KOCHIA Childsii (Burning Bush) Pkt., 10c.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. Real treasures for cutting. Perfectly hardy. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator.

Culture: A or B, D or E, Page 67

Double Giant Imperial (Base Branching). □ 3 to 4 ft.

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

- 2151 Blue Bell.** Is a fine medium blue larkspur, deeper than sky blue, yet much lighter than lilac.
- 2166 Blue Spire.** Deep Oxford blue.
- 2152 Carmine King.** Deep carmine rose.
- 2171 Coral King.** Blush pink with a strong suffusion of coral which grows deeper.
- 2153 Daintiness.** Delicate lavender.
- 2172 Dazzler.** A rich scarlet base.
- 2155 Exquisite Pink Improved.** Soft pink shaded salmon.
- Each of the above, pkt., 15c; any 3 pkts. for 35c; any 6 pkts. for 60c.
- 2159 Giant Imperial Mixed.** The above and others. Oz., \$1.40; ¼ oz., 40c; Pkt., 15c.

Double Stock Flowered □ 3 to 4 ft.

- 2120 Dark Blue.**
- 2138 Rosamond.** A pure rose color.
- 2131 Lilac Supreme.** Deep lilac.
- 2145 White.**
- Each of the above, pkt., 10c. Any 3 pkts. for 25c.
- 2150 Stock Flowered Mixed.** All colors. Oz., 60c; ¼ oz., 20c; pkt., 10c.

Super Majestic 5 ft.

The double large flowers are closely set on tall 5-foot spikes and the vigorous growth and abundance of bloom make this new strain especially useful for cut flowers and border backgrounds.

- 2179 Super Majestic Lavender.** Fine lavender.
- 2180 Super Majestic Rose.** An attractive salmon rose.
- 2181 Super Majestic White.** Pure glistening white.
- Each of the above, pkt., 25c. 1 pkt. each, 3 varieties, 65c.

- 2165 Empress Rose Bud.** 33 in. Plants are bushy, semi-dwarf, bearing heavy trusses of deep salmon pink double flowers. Pkt., 25c.

- 2119 Paniculatum.** ½-2 ft. An annual, making strong bushy plants, the stems splitting themselves up in manner of *Gypsophila Paniculata*, but the habit more upright. Leaves small and narrow flowers about ¾ in. in diameter, intense blue, are produced freely on top of plants. Pkt., 25c.

CHINESE LARKSPUR (*Delphinium Chinensis*). □ ①

The Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual, though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

- 7510 Chinese Blue Butterfly.** 18 in. Deepest blue. Pkt., 15c.
- 7520 —Blue.** 2-3 ft. Pure blue. Pkt., 10c.
- 7525 —Album.** 2-3 ft. Pure white. Pkt., 10c.
- 7522 —Cambridge Blue.** 2 to 3 ft. This variety is a really good light blue, far surpassing *Belladonna* in brilliancy. Pkt., 25c.
- 7530 —Mixed.** Pkt., 10c.

Chinese Larkspur Blue Mirror. See Novelty pages.

Blue Lobelias □

Culture: D or E, A or B, Page 67

Dwarf Varieties

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration.

- 3040 Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 10c.

- 3041 Blue Gown.** Clear deep blue, without eye, fine compact habit. Pkt., 25c.

- 3042 Blue Stone Re-Selected.** Compact habit, large flowers of brilliant mid-blue. 4 in. Pkt., 25c.

- 3053 Cambridge Beauty.** Large light blue flowers, green foliage. Pkt., 25c.

- 3045 Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. Pkt., 10c.

- 3050 Emperor William.** Gentian blue flowers, light foliage, one of the best and most popular sorts. 4 in. Pkt., 10c.

- 3056 Snowball.** White. Pkt., 10c.

- 3070 Mixed Colors.** Pkt., 10c.

- 3067 Tenuior.** 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.

2170 LARKSPURS Vaughan's Special Annual Mixture.

Charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 10c

1 oz., \$1 00; ¼ oz., 30c; pkt.

Trailing Lobelias

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 3061 Hamburgia.** Sky blue with white eye. Pkt., 15c.

- 3051 Prima Donna.** 10 in. Velvety crimson. Pkt., 10c.

- 3065 Sapphire.** Large, deep blue flowers, with a pure white eye. Pkt., 15c.

- 3060 Speciosa.** 10 in. Dark blue, dark foliage. Pkt., 10c.

Lobelia Cardinalis and *Lobelia Syphilitica*. —See Perennial Pages.



2170 LARKSPUR, Vaughan's Special Mixture Annual. Pkt., 10c.



3040 LOBELIA Bedding Queen. Pkt., 10c.



3105 LUPINUS Tall Annual Mixed. Pkt., 10c.

Annual Lupines □

Culture: A or B, D or E, Page 67

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers. The fine, dark, glossy foliage makes an admirable foil for the long spikes of bloom; prefers a little shade.

3091 **Hartwegii, White.** Pure white flowers.

3085 —**Cambridge Blue.** Sky blue.

3080 —**Oxford Blue.** Dark blue.

3090 —**Tricolor Rose Queen.** Rose colored flowers.

King or Giant Hartwegii. 3 to 4 ft. Base branching plants, each bearing six to eight large flowers.

3076 **King Dark Blue.** 3077 **King White.**

3075 **King Heliotrope.** 3079 **King Mixed.**

3078 **King Sky Blue.**

3100 **Subcarneus (Texas Bluebonnet).** 15 in. The flowers are of a delightful blue, with blotch of deep rosy flesh.

Each of the above, pkt., 10c; any 3 pkts., 25c.

3105 **Tall Annual Sorts, Mixed.** Oz., 30c; pkt., 10c.



3034 LINARIA Maroccana Excelsior, Mixed. Pkt., 10c.

Linarias (Baby Snaps)

12 to 18 in. □

Culture: A or B, Page 67

Also known as miniature snapdragons, are very charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches.

3031 **Golden Gem.** Pkt., 10c.

3033 **Snow White.** This is very lovely. Pkt., 10c.

3039 **Fairy Bouquet.** 8 in. A new strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. ¼ oz., 30c; pkt., 15c.

3034 **Maroccana Hybride Excelsior, Mixed.** Colors range through crimson and gold, pink, mauve, dark blue, chamois, rose, and lighter art shades. Pkt., 10c.

Matricaria □

Culture: D or E, A or B, Page 67

3205 **Capensis Fl. Pl. (Feverfew).** 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.

3206 **Capensis Improved.** Select flat petaled type. snow-white flowers. Pkt., 35c.

3208 **Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

3209 **Snowball.** 10 in. Profuse blooming bedding plant, double white flowers. Pkt., 10c.

Most Fragrant Annuals



3245 MIGNONETTE Machet. Pkt., 10c.

Mignonette (Reseda) □

Culture: A or B, Page 67

A well-known, old-fashioned flower of no great beauty, but highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart.

3225 **Bismarck.** 1 ft. The red flowers are large, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt., 10c.

3235 **Goliath Red.** 2 ft. Giant red flowering variety. Very fragrant. Pkt., 10c.

3234 **Golden Goliath.** Deep golden yellow flowers. Pkt., 15c.

3245 **Machet.** 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ⅓ oz., 25c; pkt., 10c.

3260 **Mixed.** Also many shades and types. ½ oz., 25c; pkt., 10c.

Sow For Fragrance

EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 67

3212 **Matthiola Bicornis.** □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. ¼ oz., 25c; pkt., 10c.

Mesembryanthemum (Ice Plant) □

Culture: A, B, D or E, Page 67

2870 **Crystallinum (Fig Marigold) or Ice Plant.** 8 in. Foliage glitters, being covered with ice-like globules; flowers, small, pinkish-white. A valuable plant for dry, sandy spots on banks, rockwork and sunny borders. Pkt., 10c.

2869 **Criniflorum (Livingstone Daisy).** Plants of slightly spreading Daisy-like flowers. 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor soil. Pkt., 25c.



3290 MARVEL OF PERU (Four o'Clocks) Mixed. Pkt., 10c.

Marvel of Peru or Four O'Clocks □

Culture: A or B, D or E, Page 67

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers.

3290 **Mixed Colors.** Lb., \$2.80; ¼ lb., 80c; 1 oz., 25c; pkt., 10c.

Mimulus □

Culture: D or E, Page 67

3275 **Moschatus (Musk Plant).** 10 in. Trailing plant for damp, shady places. Small yellow flowers, without odor. Fine for the rock garden. Pkt., 25c.

3281 **Red Emperor.** A gem for the border and rockery, bright crimson scarlet, very free flowering and of compact habit. Pkt., 25c.

3280 **Tigrinus (Monkey Flower) Queen's Prize, Single Mixed.** 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers. Pkt., 10c.



3314 MICROSPERMA Golden Tassel. 25c.

Microsperma □ 8 to 9 in.

Culture: A, B or D, Page 67

3314 **"Golden Tassel."** It forms a compact plant strikingly like a Chinese Primula. The upright flowers, 2 inches across, are adorned with a multitude of stamens, which add greatly to their beauty. Sowings should be made in heat about the end of February to March, the seedlings repotted and put out of doors at the end of May. Pkt., 25c.

Mimosa (Sensitive Plant) □ 1 ft.

Culture: D or E, A or B, Page 67

3270 A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Pinkish white flowers. Pkt., 10c.

Modernized Marigolds

Culture: A or B, D or E, Page 67

3142 Dahlia Flowered Sunset Giants. 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c.

3129 California Gold. 2½ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without the disagreeable Marigold odor of the foliage. Blooms in less than four months from seed. Flowers 2½ in. across on good wiry stems. Pkt., 15c.

3140 Vaughan's Chrysanthemum Flowered Hybrids. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Some have quilled and incurved petals, others flat Carnation-type flowers. Pkt., 15c.

3141 Crown of Gold. The first known Marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant, 2½ feet tall. Pkt., 20c.

3128 Golden Glow. Somewhat resembles Rudbeckia Golden Glow. Petals are straight, sharply pointed and rather flat. Blooms about 2½ inches across and are borne in clusters. Pkt., 15c.

3154 Vaughan's Treasure Chest. 2½ to 3 ft. Colors run from deepest orange through golden orange, golden, golden yellow, lemon-yellow, buff-yellow to lightest primrose. Some Chrysanthemum-like but mostly of the Carnation and Peony-flowered forms, many 5 in. across. Some begin to bloom early, some midseason, and others late, which makes for a long flowering season. Pkt., 15c.

The following odorless Marigolds are not molested by grasshoppers which devour the odorous varieties: California Gold, Crown of Gold, Yellow Supreme.



3152 MARIGOLD Orange Supreme. Pkt., 25c.

Carnation Flowered

3152 Orange Supreme. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.

3124 Yellow Supreme. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.

3123 Guinea Gold. 2 to 2½ ft. The original Carnation-flowered type, producing flowers 2 to 2½ inches across, of brilliant orange flushed with gold. Practically 100% double. This is an early flowering sort. ½ oz., 25c; pkt., 10c.

A Golden Shower

3200 Mexican Marigold (Signata Pumila). 10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripe down the center of each petal. Pkt., 10c.

3149 Tom Thumb Golden Crown. 10 in. A dwarf form of Guinea Gold. Golden yellow flowers, of the same Carnation type and firm substance, are produced in great abundance, often 25 to 30 on a plant. Fine for front row of border. Pkt., 15c.

3174A Dwarf Chrysanthemum-flowered, Golden Bedder. Earliest of all, uniform, covered with golden orange flowers of chrysanthemum type. Pkt., 25c.

3175 Vaughan's Special Mixture of Dwarf Double and Single Varieties.

These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ¼ oz., 25c; pkt., 10c

3150 Vaughan's Special Tall Mixture.

This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. ¼ oz., 50c; pkt., 15c



3142 MARIGOLD Dahlia Flowered. Sunset Giants. Pkt., 15c.

Single Tall French

3156 Wildfire. 18 in. This seed bearing hybrid between French and African varieties, bears single flowers which sometimes reach 3 inches in diameter, varying in color and markings on the same plant. Blooms in eight weeks from sowing, flowering until frost comes. Pkt., 10c.

3184 Ferdinand. 20 to 24 in. Harmony type. Round center of tubular florets of golden yellow, surrounded by a single row of broad, mahogany-red guard petals. Flowers 1½ to 1¾ inches in diameter. Pkt., 15c.

3186 Flaming Fire. 2½ ft. The long stemmed, brightly colored, large single flowers, 2 in. across, at times are flaming red, at other times red and yellow. Plants bloom in about 12 weeks. Pkt., 15c.

Double Tall African 30 in.

3134 Alldouble Orange. Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. Pkt., 15c.

3133 Alldouble Lemon. Yellow, same as preceding only the color is light yellow, about 90% double. Pkt., 15c.

One packet each of above two All Doubles, 25c.

Double Tall French 24 in.

3147 Striped (Royal Scot). 24 to 30 in. The double flowers are mahogany and gold in symmetrical stripes which radiate from the center of the flower. Pkt., 10c.

3148 Double Tall French, Mixed. Pkt., 10c.



3173 MARIGOLD Red and Gold Hybrids. Pkt., 20c.

3173 Red and Gold Hybrids. Hybrid of French and African species which bears no seed, so whether you pick the flowers or not, it just keeps producing, on bushy 2-foot plants, large double red and gold flowers, twice the size of most French varieties, so beautiful and plentiful that many good judges think it the finest of all border marigolds. Pkt., 20c.



3174 MARIGOLD Harmony. Pkt., 15c.

3174 Harmony. An outstanding strain of this fine popular variety; especially selected for size of bloom, earliness in flowering and evenness of color. Flowers, in form suggesting a Scabiosa, are a bright golden-yellow bordered with a rich maroon-red. ¼ oz., 60c; ½ oz., 35c; pkt., 15c.

3168A Dwarf Double Melody. Of compact habit 12 inches tall, this fully double golden yellow is recommended for ribbon planting in border foregrounds, being uniform, free blooming, early flowering. Pkt., 25c.

For Harmony types Butter Ball and Sunkist please see Novelties.

Dwarf French Double Sorts 10 in.

3167 Gold Ball. 3168 Lemon.

3166 Robert Beist. A warm shade of shining purple scarlet. Each of the above, pkt., 10c.

3171 Monarch Strain of Dwarf French, Double

Mixed. Symmetrical compact habit, including orange, bronze and mahogany. ¼ oz., 35c; ½ oz., 25c; pkt., 10c.

3172 Monarch Strain Re-Selected Golden Ball. It has exceptionally large flowers for a French variety; double and deepest orange. Pkt., 15c.

3158 Dwarf French All Double Early Flowering Mixed. Pkt., 15c.

3181 Dwarf Royal Scot All Double. 10 in. Dwarf bushy growth. Mahogany and gold. Pkt., 15c.

Single Dwarf Varieties

3178 Fire Cross (Improved Legion of Honor). Each deep orange-yellow petal carries a large crimson-maroon blotch. Pkt., 10c.

3180 Gilt Edge. 8 in. Maroon, edged yellow. Pkt., 10c. See Novelties.



2948 MORNING GLORY Scarlett O'Hara. Pkt., 20c.

2948 Scarlett O'Hara. A sensational climber, stunning $3\frac{1}{2}$ -in. flowers of a soft velvety scarlet. The bright color is carried well down the throat, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts and the foliage is quite distinct. $\frac{1}{4}$ oz., 60c; pkt., 20c.

1908 Crimson Rambler. A Morning Glory of bright ruby red, member of the Convolvulus family, which flowers with all the well-known vigor of its race, and will clamber over an arbor in record time. $\frac{1}{4}$ oz., 25c; pkt., 10c.

2911 Purple. Interesting large flowers of rich velvety purple cover the vines all summer. Pkt., 15c.

2925 IMPERIAL MORNING GLORIES
Vaughan's Special Mixture. The colors run from snow-white through all tones of blue, red, and purple. Sun-loving plants do best when protected from north and west wind. 1 oz., 75c; $\frac{1}{4}$ oz., 40c; $\frac{1}{8}$ oz., 25c; pkt. 10c

See also Novelties.



2905 WHITE MOONFLOWER. Pkt., 10c.

Night Flowering

IPOMOEA (Moonflower) \square = 20 ft.

2895 Bona Nox (Evening Glory). Violet. Pkt., 10c.

2905 Mexicana Grandiflora Alba (White Moonflower). Covered with large white flowers every evening and cloudy day. Pkt., 10c.

2910 Giant Pink. Soft lilac-pink flowers. Pkt., 10c.

Day Flowering Ipomoeas

2950 Setosa (Brazilian Morning Glory). Leaves are 9 inches across; flowers 2 inches, tinted pink with a star of satiny pink. Curious seed pods. Pkt., 10c.

2937 Alamo or Mile-A-Minute Vine. Fast growing delicate foliage vine, excellent cover for fences or trellises, flowers $1\frac{1}{2}$ in., creamy white, center deep wine red, open late morning and afternoon. Pkt., 10c.

Morning Glories and Moonflowers

Culture: A or B, D or E, Page 67

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not overfeed, as this may limit flowers.

Heavenly Blue Morning Glory

2941 Clark's Early Flowering. There are few flowers which have a more universal appeal than the giant sky-blue trumpets of this Morning Glory, and the flowering period ends only when frost kills the plants. Flowers measure $3\frac{1}{2}$ to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot, in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. Oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt., 15c.



2901 MORNING GLORY.
Giant Cornell. Pkt., 20c.

2901

Giant Cornell

The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University, presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. $\frac{1}{4}$ oz., 50c; pkt. 20c



2945 IPOMOEA Double Rose Marie. Pkt., 15c.

2945 Double Rose Marie. We are not surprised by Morning Glories which belong to the Moonflower family (Ipomoeas) but a double Morning Glory is something to talk about. It grows well and produces freely its lovely double flowers. Pkt., 15c.



2942 MORNING GLORY. Heavenly Blue Improved. Pkt., 15c.

2942 Heavenly Blue Improved. Similar to Heavenly Blue, from which it was developed, this improved strain is in all respects superior to the old. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. It is also much earlier flowering and the flowers remain open to six o'clock in the evening on cloudy days. Oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt., 15c.

2943 Pearly Gates. See Novelty Pages. Pkt., 25c.

CONVOLVULUS (Morning Glory)

Culture: A or B, D or E, Page 67

1900 Tall Mixed, all colors. 1 oz., 15c; pkt., 10c.

DWARF MORNING GLORY 1 ft.

Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun.

1919 Dwarf Blue. Beautiful blue flowers on a dwarf bushy plant, a good match for Heavenly Blue. Fine for edging or rockwork. Pkt., 10c.



1922 DWARF MORNING GLORY.
Royal Ensign. Pkt., 10c.

1923 Dwarf Lavender Rosette. An ideal rockery plant with deep lavender flowers. Given enough moisture it will develop a mass of flowerheads from June to mid-August. Pkt., 25c.

1921 Dwarf Rose. Exactly like above but a lovely rose color. Pkt., 10c.

1922 Dwarf Royal Ensign. A deep bright ultramarine; the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. Pkt., 20c.

1920 Dwarf Mixed, all colors. Pkt., 10c.

Toronto, Ontario, Canada.

Testimonial

"The Golden Bedder Marigold of which you sent me seed last spring is making a big hit here. It is quite out of the usual for Chrysanthemum type Marigold to bloom so early here in Canada, July 5th. L.E.B.

Fragrant Nasturtiums □

Culture: A or B, D, or E, Page 67

NASTURTIIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks.

Aphis on Nasturtiums. One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls on the ground quite close to the stems of the plants." Red Arrow is also recommended.

Tall, Double, Glorious Gleam Varieties

- 3727 Caprice.** Primrose and salmon-cerise blotched, streaked or mottled in various degrees, often changing considerably in different flowers on the same plant. Very large, double flowers. Pkt., 10c.
- 3733 Fire Gleam.** Bright scarlet. Pkt., 10c.
- 3735 Golden Gleam.** The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. $\frac{1}{4}$ lb., 50c; oz., 15c; pkt., 10c.
- 3732 Indian Chief.** It has dark foliage and vivid scarlet flowers. Pkt., 15c.
- 3728 Mahogany.** Large, dark mahogany-red flowers borne with the greatest freedom well above the foliage of the semi-tall plants. Pkt., 10c.
- 3737 Orange Gleam.** Clear deep orange colored flowers. Oz., 20c; pkt., 10c.
- 3734 Salmon Gleam.** Delicate golden salmon. Oz., 20c; pkt., 10c.
- 3738 Salmon Cerise.** Pkt., 10c.
- 3736 Scarlet Gleam.** The flowers are a fiery orange-scarlet three inches across. Oz., 30c; $\frac{1}{2}$ oz., 20c; pkt., 10c.
- 3729 Sun Gleam.** Brilliant lemon yellow, large blooms, the most sweetly scented of all semi-double Nasturtiums. Pkt., 15c.

3745 Vaughan's Special Mixture of Tall Nasturtiums. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. $\frac{1}{4}$ lb., 45c; 1 oz., 15c; pkt., 10c.

Dwarf, Double Fragrant Varieties

- 3540 Delightful.** Most pleasing shade of soft salmon-cerise, the upper petals prettily marked crimson-maroon at the base and as flowers age often take on a deeper shade of salmon-cerise than the lower petals. Bright green foliage. Pkt., 15c.
- 3561 Globe of Fire.** Flowers of flaming red, contrasting vividly with the dark green leaves, are borne in great abundance upon a compact dwarf plant. Pkt., 15c.
- 3558 Golden Globe.** Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 40c; pkt., 10c.
- 3542 Mahogany Gem.** The darkest colored Nasturtium we have ever seen; the velvety, brilliant flowers are rich, deep mahogany. Red wallflower color. Pkt., 15c.
- 3543 Orange Glory.** The large flowers are bright orange; the base of each of the upper petals and most of the inside of the throat are painted with deep garnet-brown. Narrow lines of this latter color radiate like a fan over the upper petals, but disappear in an overlay of orange-chrome. Petals are wonderfully fluted and crinkled. Pkt., 15c.
- 3544 Primrose Gem.** The dwarf, compact plants are covered with giant semi-double, soft primrose colored flowers. Pkt., 15c.
- 3545 Ruby Gem.** Dwarf, compact, globe-shaped plants covered with large double, semi-bright ruby colored flowers. Pkt., 15c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums. This mixture is put up by ourselves from named sorts of the single and double varieties which have the richest and most varied combination of colors. $\frac{1}{4}$ lb., 45c; 1 oz., 15c; pkt., 10c.

- 3560 Dwarf Double Gem Mixed.** Ideal for edging beds and window boxes. It produces an evenly balanced range of bright colors. $\frac{1}{4}$ lb., 80c; oz., 30c; pkt., 10c.

Myosotis Forget-Me-Nots □ 1 ft.

Culture: A, B, or C, Page 67

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting.

- 3321 Alpestris Blue Eyes.** Bright blue with white eye, large, early. Pkt., 15c.
- 3328 —Indigo (Sutton's Royal Blue).** Pkt., 10c.
- The **Bouquet** type is a compact upright grower of the pillar or column type, blooms so freely the plants are completely smothered with flowers. 1 ft.
- 3350 Blue Bouquet.** Royal blue color. Pkt., 15c.
- 3356 Vaughan's Early and Late Flowering Blue Bird.** 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.

TESTIMONIAL

"For the most part we have had a great deal of success with your seeds—both vegetable and flower. The Delphinium, Hollyhocks, Sweet William and Aquilegia have made beautiful showings."

July 7, 1942
State College, Pa.

Mrs. C. C. W.



- 3739 Vaughan's Double Glorious Gleam Hybrids.** Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. $\frac{1}{4}$ lb., 75c; oz., 25c; pkt., 10c.



3404 NICOTIANA Orange Blossom. 25c.



3393 NICOTIANA Affinis
Crimson Bedder. Pkt., 15c.



3359 NEMESIA Triumph Hybrids. Pkt., 15c.

Nicotiana □ 2 ft.

Sweet-Scented Tobacco Plant

Culture: A or B, D or E, Page 67

- 3390 Affinis.** One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. $\frac{3}{8}$ oz., 25c; pkt., 10c.
- 3392 Affinis Hybrids.** Splendid hybrids in blue, red and rose shades. $\frac{1}{8}$ oz., 25c; pkt., 10c.
- 3393—Crimson Bedder.** The flowers are of a rich deep crimson. 1½ in. Pkt., 15c.
- 3391—Crimson Flame.** Petunia-like flowers form five pointed red stars, very fragrant. Pkt., 25c.
- 3404 Orange Blossom (Miniature White).** 18 in. An elegant small-flowered pure white species; delightfully scented; even, upright growth. Daintier than the Affinis or Sanderæ Hybrids. Pkt. 25c.
- 3395 Sanderæ.** Branching habit, bearing on light, graceful stems, rosy carmine flowers. Pkt., 10c.
- 3396 Sanderæ Crimson King.** Dark velvety crimson-red flowers. Pkt., 10c.
- 3397 Sanderæ Hybrids.** Pkt., 10c.
- 3405 Sylvestris.** 4 ft. Pyramidal habit, with long, tubular, pure white flowers, in panicles. Pkt., 10c.

Nierembergia □

Sheets of Lavender Bloom

Culture: D or E, Page 67

- 3411 Hippomanica Coerulea.** Grows not more than 4 to 6 inches high, forms a cushion of elegant light green foliage from which emerge corymbs of salver shaped flowers of a delicate lavender hue, 1 to 1½ inches across. Blooms the entire summer. Pkt., 25c.
- 3410 Gracilis.** 6 in. White flowers, graceful plant for rockwork and hanging baskets, etc. Pkt., 10c. See Novelties.

Nemophila (Baby Eyes) □ 6 in.

Culture, A or B, D or E, Page 67

Hardest of annuals, and of the easiest culture.

- 3376 Insignis, Blue.** Lovely cup-shaped, sky blue flowers with white center. Pkt., 10c.
- 3380 Mixed, all colors.** Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 10c.

Nicandra

Culture: A or B, Page 67

- 3389 Physaloides.** Apple of Peru or Shoo-fly Plant. A strong spreading annual, 3-4 ft. high, grown for the showy blue flowers and odd fruits. It is an old-fashioned garden annual now rarely seen. Pkt., 10c.

Night Garden. Plant white flowers. "These add to the pleasure and enjoyment of a garden in mid-summer as they are the only ones to appear to an advantage in the moonlight."



3420 NIGELLA Miss Jekyll. Pkt., 10c.

Nigella (Love-in-the-Mist) □

Culture: A or B, D or E, Page 67

- 3420 Miss Jekyll Dark Blue.** A lovely variety, bearing on long stems, large semi-double flowers of a charming intense dark blue nestling in fine feathery foliage. Pkt., 10c.
- 3422 Miss Jekyll White.** Pkt., 10c.
- 3415 Mixed Blue and White.** 8 in. Pkt., 10c.
- 3417 Hispanica Dragon Fly.** This is quite distinct from the Miss Jekyll type. The flower is single with thick fleshy petals and sturdy stem. 1½ inches in height—branches well. The flowers are rich dark blue. Pkt., 10c.

WHITE FLOWERS are especially refreshing to the eye in the hot weather. Put them in a clear glass vase to add to the cooling appearance.



3926 PENTSTEMON Sensation Mixed. 25c.

Nemesia □

Culture: D or E, Page 67

The orchid-like flowers range from rose to yellow-orange and blue. It should have an early start in greenhouse or hotbed so it can flower before mid-summer.

- 3365 Dwarf Blue Gem.** 7 inches. One of the best blue annuals for bedding. Pkt., 15c.
- 3360 Large Flowered Mixed.** 1 ft. Is the finest strain for size and richness and variety of colors. Pkt., 15c.
- 3359 Triumph Hybrids.** A splendid race of these popular annuals. The plants grow 6 to 8 inches high, in bushy form, and bear continuously, myriads of brilliantly colored flowers; cream, orange, yellow, crimson, rose, scarlet, etc., tipped with other colors. Pkt., 15c.

Nolana (Chilean Bellflower) □

Culture: A, Page 67

- 3387 Blue Ensign.** Native Chilean Bellflower. In pots it will grow 12 inches high, outdoors it spreads a little and throws up large ultramarine-blue flowers on stems 5 or 6 inches high. In shape these resemble an Ipomoea, enhanced by the large pure white center. Sow outdoors in May where the plants are to bloom. Fragrant. Pkt., 25c.

Oenothera □ 1½ to 2 ft.

Culture: A, Page 67

These open their flowers in the evening and one can enjoy a thrill in his garden if he will sit for 15 minutes at twilight and watch the Evening Primroses (Oenothera) drop their calyx and unfold their petals.

- 3439 Lamarckiana (Evening Primrose).** Yellow. Pkt., 10c.

Oxalis □

Culture: D or E, Page 67

- 3445 Rosea.** An excellent little plant for edging or rock gardens. Blooms all summer in the greatest profusion; flowers dark rose and delicate pink. Pkt., 25c.

Passiflora

Culture: A or B, D or E, Page 67

- 3910 Coerulea Grandiflora (Passion Flower).** Slender but strong grower. Flowers 2½ to 3½ inches across, slightly fragrant, greenish white; the corona is blue at the tip, white in the middle and purple at the base. Pkt., 10c.

Pentstemon

Culture: D or E, Page 67

- 3926 Sensation Mixture.** If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome Gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c.
- 3931 Miniature Hybrids.** 2 ¼ ft. A strain bearing long graceful spikes of miniature flowers, similar to Gloxinoides, but with a wider color-range. Early, keeps well when cut. Pkt., 25c.

See Perennial Pages for other varieties.



3894 PANSIES Vaughan's Super Swiss Giants Mixed. Pkt, 35c.



891 PANSY Swiss Blue (Ullswater.) Pkt., 25c.

Giant Pansies

Culture: A, B or C, Page 67

Pansies have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety Maple Leaf. Leaflet on culture will be supplied if asked for when ordering seed.

GIANT SWISS VARIETIES

3892 Swiss Alpenglow. Rich wine-red shades. Pkt., 25c.

3896 Swiss Berna. Dark violet blue. 25c.

3891 Swiss Blue (Ullswater) (Thuner Sea). Deep blue flower with blue-black blotches. Pkt., 25c.

3820 Swiss Coronation Gold. The largest pure gold self. Pkt., 50c.

3862 Swiss Fire Beacon. Bright wallflower red with a touch of orange. Pkt., 50c.

3895 Swiss Luna. Light straw yellow. Pkt., 50c.

3900 Swiss Pure White. Pkt., 50c.

3901 Swiss Raspberry Rose. See novelty pages for description and illustration of this beautiful new pansy. Pkt. (100 seeds) 50c.

3893 Swiss Yellow (Rheingold). Rich yellow with blotches on the three lower petals. Pkt., 25c.

3894 Vaughan's Super Swiss Giant Mixture.

The flowers are gigantic and exhibit shades previously unknown in this family. They bloom early, continuing all summer until late in fall. $\frac{1}{16}$ oz., \$1.25. Pkt. 35c

3786 Masterpiece (Fried Pansy). A remarkable type, each petal being conspicuously curled or waved. Color range extensive, rich, dark, velvety shades predominating. Pkt., 25c.

3840 Trimardeau Mixture. It has a complete color range, but lacks the newer varieties. Pkt., 15c.

3881 Engelmann's Giant. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones, appear early. Pkt., 50c.



3892 PANSY Swiss Alpenglow. Pkt., 25c.

Baby Pansies Bloom in 70 days from Seed

3761 Baby Delight. An ideal Pansy for spring blooming. Makes dwarf but compact bushy growth with a height of not more than 8 in. The flower is lovely light blue, with a pleasing "face" about 1 inch in diameter. 20c.



3761 PANSY Baby Delight. Pkt., 20c

3762 Mrs. A. H. Scott. Another of the "baby group." top petals white, lower ones violet purple. A brilliant combination. Pkt., 20c.

SPECIAL MIXTURES

3794 Vaughan's Super Maple Leaf Giant Mixture (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors. $\frac{1}{16}$ oz., \$1.50; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.50.... Pkt., 50c

3880 Vaughan's International Mixture. A mixture including Swiss Giants, Maple Leaf Giants and others. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. $\frac{1}{16}$ oz., \$1.00; $\frac{1}{8}$ oz., \$1.60. 3 pkts. for 65c; pkt. 25c

3875 Vaughan's Giant Mixture. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. $\frac{1}{8}$ oz., \$1.00; 2 pkts. for 25c. Pkt. 15c

For Viola Cornuta or Tufted Pansies, see page 47.

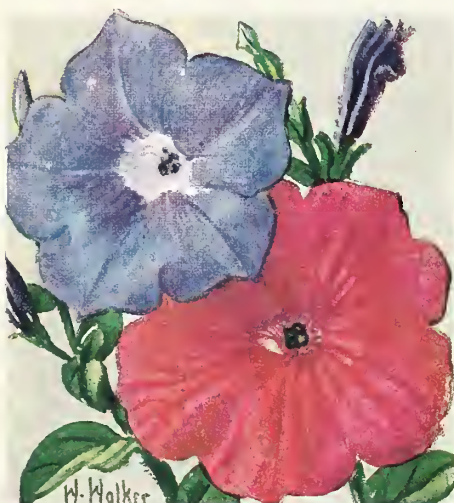
Small Flowering Single Petunias □

Culture: A or B, D or E, Page 67

Single Dwarf Small Flowering Petunias 12 to 15 in.



4008 PETUNIA Topaz Queen. Pkt., 25c.



3990 PETUNIA Violet Queen. Pkt., 25c.

4018 PETUNIA Rose of Heaven Select. Pkt., 25c.



4025 PETUNIA Vaughan's Dwarf Small Flowering Mixed. Includes all colors in this type. Pkt., 25c.

4017 **Celestial Rose.** Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose. Pkt., 25c.

3999 **Cockatoo.** Velvety deep violet-purple with irregular sized white spots and stars. Pkt., 25c.

4003 **Cream Star.** This free flowering Petunia of exceptionally dwarf, compact and uniform growth is well covered all summer with small flowers of soft creamy white, with deeper cream throat. Gives effect of white in the garden. Pkt., 25c.

4002 **Crimson.** Pkt., 10c.

4001 **Heavenly Blue Re-Selected.** A silvery light blue. Varies about 10% in shade. Pkt., 25c.

4005 **Improved Rosy Morn.** An improved strain of the clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. $\frac{1}{2}$ oz., 50c; pkt., 15c.

4010 **Little Blue Star.** The ground color is blue starred with pure white. This is very dwarf and free flowering. Pkt., 25c.

4079 **Martha Washington.** 9 in. Blush pink deepening to dark violet throat, ruffled flowers. Pkt., 25c.

3989 **Radiance.** A cerise rose with enough underlying salmon to remove harshness. The throat is golden yellow. Pkt., 25c.

4018 **Rose of Heaven Select.** Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. $\frac{1}{2}$ oz., \$1.00; pkt., 25c.

4023 **Salmon Supreme.** 12 in. Distinct light salmon color. Flowers $1\frac{1}{2}$ in., white throat, Pkt., 25c.

4082 **Scarlet Glory.** Very bushy, covered with rich scarlet flowers. The result of breeding from the popular Queen of the Market, from which it secured its brilliant color. Pkt., 25c.

4020 **Snowball.** Pure satiny white. $\frac{1}{2}$ oz., 35c; pkt., 10c.

4008 **Topaz Queen.** Most popular of Petunias for bed and border planting are the rose pinks, and this in our judgment is the best. Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact, flowers larger and borne freely throughout the summer. It is especially recommended for locations where the hot sunshine tends to pale the color of other varieties. Pkt., 25c.

4021 **Twinkles.** Masses of small brilliant rose flowers with well-defined pure white star. Free blooming. Pkt., 20c.

3990 **Violet Queen (Improved Blue Bird).** Rich violet, compact and dwarf, best strain. Pkt., 25c.

For **White Perfection** and **Igloo** see Novelties. Special Offer—Any of the above 25c packets, 3 pkts. for 65c.

Single Small Flowering Petunias 18 to 24 in.

4006 **Flaming Velvet.** A rich velvety crimson, best of its color in this class. Pkt., 15c.

3972 **Hollywood Star.** The blossoms are of unique shape, the petals being pointed and forming a five pointed star. The color is a lovely deep rose, with yellow throat, making a pleasing combination. It is early and free flowering. Pkt., 25c.

3975 **Howard's Star Improved.** Red purple with white star. Pkt., 10c.

3971 **Norma.** Blue with white star. Pkt., 10c.

3986 **Topaz Rose.** A fiery velvety rose, topaz throat. Pkt., 25c.

3980 **White King.** Showy clear snow white flowers. Pkt., 25c.

3995 **Finest Mixed.** $\frac{1}{2}$ oz., 25c; pkt., 10c.

Miniature 6 in.

A new strain of dwarf compact miniature Petunias.

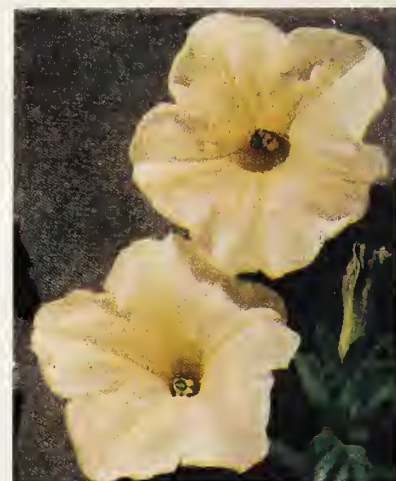
4026 **Gem Mixed.** This includes white, violet, rose and pink starred white. Pkt., 15c.

See also Novelties.

4025 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. $\frac{1}{4}$ oz., 85c; $\frac{1}{2}$ oz., 50c; pkt., 25c.



3972 PETUNIA Hollywood Star. Pkt., 25c.



4003 PETUNIA Cream Star. Pkt., 25c.



4023 PETUNIA Salmon Supreme. Pkt., 25c.

ANNUALS FOR FRAGRANCE

| | | |
|------------|--------------------|-----------|
| Alyssum | Mignonette | Petunia |
| Candytuft | Nasturtium (Gleam) | Scabiosa |
| Carnation | | Stocks |
| Heliotrope | Nicotiana | Sweet Pea |
| | Wallflower | |

Large Flowering Petunias □

Culture: D or E, Page 67

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered. Every gardener's desire may be gratified. Petunias make good cut flower material. We supply a leaflet on culture with order.

Large Single Fringed Flowering

- 4049 Dainty Lady.** A large-flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. The plants are semi-dwarf and free-flowering. Pkt., 35c.
- 4044 Gaiety.** Plants are bushy, 8 to 12 in. high, and are covered with large, daintily fringed rose and white blooms. Pkt., 25c.
- 4053 Lace Veil.** 12 in. Large pure white flowers with fringed petals, many waved. Pkt., 25c.
- 4047 Purple Beauty.** 16 in. A large flower beautifully frilled, the best blue fringed Petunia. 50c.
- 4078 Setting Sun.** Forms compact bushes 12 inches high, covered with fringed blossoms of rose pink, measuring 3 inches across. Pkt., 35c.
- 4062 Theodosia.** 20 in. Fringed rosy pink with a clearly defined golden center. Excellent for porch boxes. Pkt., 35c.
- 4059 White Beauty.** Fringed pure white. 25c.

Large Single Flowering 12 to 16 in.

The flowers of this type average 3 to 4 inches across.

- 4073 Blue Beauty.** A late flowering, clear, deep blue. Flowers of extra large size on plants of vigorous growth. Extremely free flowering. Pkt., 35c.
- 4057 Burgundy.** Large-flowered, 3 1/2-inch blooms, purple or carmine with white throat, violet veins. Pkt., 25c.
- 4058 Elk's Pride.** Velvety black-purple, best of all dark blues. Pkt., 25c.
- 4052 Silver Edge Purple Robe.** A superb deep velvety violet—enhanced by a fine silver line usually appearing at the edge of the flower. Pkt., 50c.



- 4055 Snow Storm.** Large Flowered White. Pkt., 35c.

- 4055 Snow Storm.** Glistening white, shadowing yellow in the throat. An improvement on White Cloud, 4 to 5 in. flowers. Pkt., 35c.

- 4067 White Cloud.** Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3 1/2 inches in diameter. Pkt., 35c.

- 4100 Vaughan's Best Mixture Large Flowering Single.** Includes Giant Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt. (300 seeds)..... 25c

See also Novelties.

SOWING FINE FLOWER SEEDS

One garden enthusiast mixes her fine seeds, such as Petunia, Poppy, etc., with ten times their bulk of dry sand, puts them into a salt shaker and sifts them over the beds or borders firming them with a board. A very practical idea. Try it!

Double Flowering Petunias

3935 Vaughan's Special Mixture of

Double Petunias. This is a mixture of the best large flowering and fringed double Petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 60 to 80 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Pkt. (200 seeds), 50c.

All Double Petunias. See Novelty Pages.



- 4066 Dwarf California Giant Mixed.** Pkt., 50c.

4066 Dwarf California Giants Mixed.

The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt., 250 seeds, 50c; 500 seeds, 90c.

- 4076 Fluffy Ruffles Mixed.** The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue. about 75% will be ruffled. Pkt..... 35c



- 4077 PETUNIA Salmon Beauty.** (Giant Flowered) Pkt., 25c.



- 4078 PETUNIA Setting Sun.** Pkt., 35c.

4065 Giants of California

Mixed. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt..... 25c

Balcony Type Petunias 18 to 24 in.

Single large flowering sorts, trailing habit.

- 4037 Balcony Black Prince.** Dark crimson, rich and velvety.
- 4036 Balcony Cornflower Blue (Blue Wonder).** Rich blue.
- 4030 Balcony Queen.** Rich, velvety violet with white star.
- 4034 Balcony Red.**
- 4041 Balcony Rose.**
- 4040 Balcony Rosy Morn.** Rose with white throat.
- 4035 Balcony White.**

- 4039 Balcony Star of California.** Violet crimson with white star.

Each of the above, pkt., 25c; any 3 for 65c.

- 4042 Balcony Mixed.** 1/8 oz., 60c; pkt., 25c.



- 4037 PETUNIA Balcony Black Prince.** Pkt., 25c.

Giant Single Flowering 18 in.

The flowers of this strain average 5 to 7 inches across.

- 4063 Camilla.** A beautiful, ruffled rose-pink, with rich crimson veining. Pkt., 50c.
- 4071 Copper Red.** Enormous flowers with a dark throat, deeply veined. Pkt., 25c.
- 4070 Empress.** Lilac blue with purple veins, one of the most free flowering and out-standing varieties. 25c.
- 4090 Prince of Wurtemberg.** Darkest. Pkt., 25c.
- 4077 Salmon Beauty.** True salmon pink, one of the outstanding varieties in our trials. Pkt., 25c.
- 4075 White.** Yellow throat. Pkt., 25c.

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 67

PLANT a bed of these gorgeous annuals this year. If your favorite colors are the delicate shades, buy the Gigantea Art Shades (see Novelty pages); if you want a brilliant kaleidoscopic display, plant our Vaughan's Special Mixture. It has a complete color range of the delicate and brilliant shades. Seed may be sown in the open as soon as frost danger has passed, and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frost. 12 inch.

HARDY PHLOX—See Perennial Pages,

Grandiflora Varieties ☐

This section has beautiful, round-petaled flowers, which overlap each other.

- 4113 **Brilliant.** Rose with dark eye.
- 4140 **Buff Yellow.**
- 4116 **Cinnabar Scarlet.** The brightest red in this gay family.
- 4120 **Chamois Rose.**
- 4137 **Dark Blue.** True blue.
- 4125 **Fiery Scarlet.**
- 4126 **Flaming Velvet.** Rich deep reddish purple.
- 4127 **Flaming Velvet, White Eye.**
- 4115 **Flesh Color.**
- 4155 **Rose Pink.**
- 4105 **Pure White.**
- 4150 **Scarlet with White Eye.**
- 4160 **Violet with White Eye.**
- 4107 **White with Dark Eye.**

Each of the above, pkt., 15c; 3 pkts., 40c.

- 4165 **Splendid Mixture.**
¼ oz., 75c; pkt., 10c.
- 4175 **Cuspidata or Star Mixed.**
Quaint and unusual flower formation.
Pkt., 15c.

Phlox Nana Compacta Dwarf

These make symmetrical bushes, covered with flowers during the whole summer and fall. 8 in.

- 4182A **Cinnabarina.** Brilliant red.
 - 4183 **Fireball.** Blood-red.
 - 4192 **Isabellina.** Buff yellow.
 - 4201 **Mirabilis.** Salmon-pink with white eye.
 - 4200 **Salmon Pink.**
 - 4189 **Snowball.** Pure white.
- Each of the above, pkt., 20c; any 3 pkts. for 50c.
- 4205 **Nana Compacta Mixed.** All colors. ¾ oz., 75c; pkt., 20c.
- See also Novelties.

Phacelia ☐ 8 in.

Culture: A, B, D or E, Page 67

- 4101 **Campanularia.** Sow where they are to grow. Dwarf plants bearing terminal racemes of gentian-blue flowers with conspicuous white anthers. Pkt., 10c.



4220 PHLOX Vaughan's Special Mixture. Pkt., 15c.

4220 PHLOX VAUGHAN'S SPECIAL ANNUAL MIXTURE. Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., 85c; ½ oz., 50c; pkt. 15c



4175 PHLOX STAR. Mixed. Pkt., 15c.

Ricinus (Castor Bean) ☐

Culture: A or B, D or E, Page 67

Giant, strong growing plants, with ornamental foliage.

- 4547 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.
- 4546 **Crimson Spire.** 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red; seed spikes and seed pods are brilliant rosy crimson. Most showy of all. Oz., 30c; pkt. 10c.
- 4555 **Sanguineus.** 7 ft. Whole plant reddish purple, very effective. Oz., 20c; pkt., 10c.
- 4570 **Mixed.** Many sorts. 1 oz., 20c; pkt., 10c.
- 4565 **Zanzibar Enormis.** 1 oz., 30c; pkt., 10c.
- 4560 **Zanzibar Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant a perfect pyramid. Oz., 25c; pkt., 10c.



4560 RICINUS Zanzibar Mixed. 10c.

Vaughan's Beauty

This is the finest large flowering dwarf Phlox in existence. It forms round compact bushes of about 6 to 8 inches in height, which are covered with large flowers generally with centers of contrasting colors. The regular and uniform growth of all colors, its grand display of the shades, and the large size of the flowers place this far above all the other dwarf sorts.

- 4211 **Alba,** white. 4212 **Chamois.**
 - 4213 **Coccinea,** scarlet.
 - 4215 **Delicate.** 4210 **Mixed.**
- Each of above, pkt., 20c; any 3 pkts., 50c.



4370 POPPY Shirley Vaughan's Special Mixture. Pkt., 10c.

Shirley Poppies 2 ft.

Culture: A, Page 67

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart.

(SILK OR GHOST)

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut.

- 4277 **American Legion.** A dazzling orange-scarlet of enormous size. ¼ oz., 25c; pkt., 10c.
- 4278 **Blue Shirley.** 20 in. Various blue shades. Pkt., 10c.
- 4296 **Dazzler.** All double orange scarlet. Pkt., 10c.
- 4238 **Double Begonia Flowered Sweet Briar.** Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double. Pkt., 10c.
- 4239 **Double Begonia Flowered Mixed.** The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light shades. Pkt., 10c.
- 4368 **Double Shirley Ryburgh Hybrids.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.
- 4295 **Eldorado Salmon Shades.** 2 ft. Pkt., 10c.
- 4280 **Wild Rose Shirley.** 20 in. Shades of rose and pink. Pkt., 10c.
- 4281 **White Shirley.** White flowers are very popular, they neutralize the effect of the brighter colors in a garden. Pkt., 10c.
- 4370 **Vaughan's Special Mixture of Shirley Poppies.** Lovely and dainty shades, many edged and shaded with other colors. 1 oz., 40c; ½ oz., 25c; pkt., 10c.

Important Poppy Announcement

On advice from the Federal Narcotic Authorities, we are not listing the Peony Flowered, Carnation Flowered and Cardinal Type, and Tall Single and Double Annual Poppies.



4455 **PORTULACA** Double Best Mixed. 15c.



4430 **PORTULACA** Single Mixed. Pkt., 10c.

Portulaca □

Culture: A, D, Page 67

Moss Rose For Hot, Dry Places

Portulaca makes a brilliant carpet for a sunny spot where a ground cover is needed. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow in May, when the ground is thoroughly warmed. Easily transplanted. Fine for ground covers after bulbs have died down.

Large Flowering Single

- 4400 White. 4410 Pink.
4405 Yellow. 4420 Scarlet.

Each of the above, pkt., 10c; any 3 pkts., 25c

4425 **Giant Parana.** The flowers are fully twice as large as others; of dazzling reddish-purple. Pkt., 10c.

4430 **Single Mixed.** 1 oz., \$2.20; ¼ oz., 65c; pkt., 10c.

Large Flowering Double

A certain amount will produce single flowers.

- 4435 White. Pure white. 4441 Salmon.
4438 Golden Yellow. 4443 Scarlet.
4440 Pink. 4444 Sulphur Yellow.

Each of the above, pkt., 15c; 2 pkts. for 25c.

4445 **Scarlet Glow.** Exceedingly brilliant orange scarlet large flowering variety. Pkt., 25c.

4455 **Double Best Mixture.** Extra selected true double. 1 oz., \$4.00; ¼ oz., \$1.25; ⅛ oz., 75c; pkt., 15c.

4515 **PYRETHRUM** Aureum Golden Feather.

Culture: A or B, D or E, Page 67 □

6 in. Edging plant grown for its beautiful yellow foliage. Pkt., 10c.

Salpiglossis

Culture: A or B, Page 67

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower. Sow in the full sun in fairly rich soil as early as possible, and preferably in the place where it is to grow, to avoid transplanting. Do not over-water, but keep "on the dry side." Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

- 4611 Blue and Gold. 4595 Faust. Black.
4590 Bright Crimson. 4610 Golden Yellow.
4591 Brown and Gold. 4598 Purple.
4592 Chamois. 4599 Purple and Gold.
4600 Rose and Gold. 4605 Velvety Violet.
4613 Scarlet and Gold. 4616 White and Gold.
4614 Velvety Red. 4617 Violet and Gold.

4601 **Rose Crimson and Gold.** Definitely a new color in Salpiglossis of English origin. The rich colored blooms are half again as large as the ordinary type.

Each of the above, pkt., 10c; any 3 pkts., for 25c.

4625 **Emperor Mixed.** Large improved strain. Complete range of colors. ⅓ oz., 25c; pkt., 10c.

4615 **Gloxiniaflora Mixed.** A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 **Vaughan's Special Mixture.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅓ oz., 25c; pkt., 15c.

4620 **Dwarf Giant Flowered Salpiglossis.** Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 20c.

Rudbeckia

Culture: A or B, D or E, Page 67

4581 **Indian Maid.** 4 in. Flowers, with rich brown center through artistic copper shades to golden tips. Some few semi-double or double rows of petals. Sown March 1, bloomed in 3½ months. Vigorous habit. Excellent for cutting. 30 in. Pkt., 25c.

8465 **Herbstwald Autumn Tints.** 2 ft. A perennial which blooms the first year from seed sown in March, furnishes starflowers of fiery autumn coloring called "Gerberas of the North." Pkt., 25c.

8467 **Double Kelvedon Star.** A double and semi-double form of Kelvedon Star. The lively shades golden yellow and mahogany are very attractive. Pkt., 20c.

4582 **My Joy.** Giant Black-Eyed Susans. Flowers very large, some over five inches in diameter, of an orange-yellow with rather small cone. Pkt., 15c.

4584 **Starlight.** Large-flowered, semi-double selection of Kelvedon Star, a free bloomer. Color from primrose yellow to mahogany and bicolors with mahogany centers. About 3 feet tall. Pkt., 25c.



4691 **SAPONARIA** Vaccaria Rosea. Pkt., 10c.



4630 **SALPIGLOSSIS** Vaughan's Special Mixture. Pkt., 15c.



4690 **SANVITALIA** (Creeping Miniature Zinnia). Pkt., 10c.

Sanvitalia □ 6 in. Creeping Miniature Zinnia

Culture: A or B, D or E, Page 67

4690 **Procumbens.** Like tiny Zinnias, golden with purple centers, single and double. The plants creep over the soil. June until frost. ⅓ oz., 25c; pkt., 10c.

Saponaria (Soapwort)

Culture: A or B, D or E, Page 67

4693 **Vaccaria Alba.** White.

4691 **—Rose.** 2 ft. Light graceful spray of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.

4692 **—Mixed.** Each of the above, pkt., 10c.

Scarlet Runner Emperor □

Culture: A, D or E, Page 67

4766 A stunning annual climber with sprays of brilliant red flowers like pea blossoms. The pods are edible. Good for arbors and fences. Pkt., 10c.

ANNUALS AND PERENNIALS For Semi-Shaded Locations

Anchusa Italica
Antirrhinum
Aquilegia
Asperula
Balloon Vine
Balsam
Begonia
Bellis Perennis
Campanula
Centaurea
Clarkia
Coleus
Cynoglossum
Delphinium
Digitalis
Geum
Godetia
Impatiens

Linaria
Linum
Lobelia
Lupin
Mimulus
Myosotis
Nasturtium
Nicotiana
Nemophila
Pansy
Platycodon
Poppies
Schizanthus
Stocks
Sweet William
Torenia
Violas

Scabiosa (Mourning Bride)

See Scabiosas in Color on Back Cover with Collection Offer.

Culture: A or B, D or E, Page 67

One of the most important annuals for cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion.

COCKADE TYPE, 3 Ft.

Has conical form with attractive depth of flower.

- 4703 **Blue Cockade.** Pure deep azure.
4706 **Royal Cockade.** Salvia blue.
Each of above, pkt., 20c.

DOUBLE LARGE FLOWERING, 3 Ft. SPECIAL STRAIN

- 4715 **Azure Fairy.** Azure blue.
4726 **Cattleya.**
4727 **Loveliness.** Salmon rose shades.
4736 **Orchid Shades.**
4729 **Peachblossom.** Peachblossom pink.
4732 **Rosette.** Deep rose suffused salmon.
4734 **Salmon Beauty.** Pure salmon.
4728 **Shasta Improved.** Enormous white.
Each of above, pkt., 15c; 3 pkts. for 40c.
4737 **Vaughan's Mixture of Super Scabiosa.** The above and other charming varieties. Pkt., 25c.
4731 **Blue Moon.** See novelties. Pkt., 15c.

STANDARD DOUBLE VARIETIES 2½ Ft.

- 4725 **Black Prince.** Black purple.
4720 **Cherry Red.** Crimson.
4742 **Coral Rose.** Rich pink.
4700 **Golden Yellow.** Sulphur yellow.
4710 **Fiery Scarlet.**
4735 **Pompadour.** Black purple, white tips
4730 **Rose.** Bright rose.
Each of above, pkt., 10c; 3 pkts. for 25c.

DOUBLE DWARF VARIETIES

- 4744 **Heavenly Blue.** A lovely azure-blue very early. Plants are dwarf, 18 in., bushy, suitable for bedding. Pkt., 25c.
4738 **Peace.** Flowers are 2 in. across, almost spherical; pure white. 2-ft. Pkt., 25c.
4743 **Dwarf Double Mixed.** 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. ½ oz., 25c; pkt., 10c.
See also Perennial Pages.



4737 VAUGHAN'S Mixture of Super Scabiosa. Pkt., 25c.

4740 **SCABIOSA Vaughan's Special Mixture.** Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 25c; pkt., 10c

Salvias

Culture: D or E, A or B, Page 67

The brilliant scarlet *Salvia Splendens*, so highly valued in summer beds, borders, window boxes and flower pots, is by no means the only worthy member of this family. The tall pale lavender *Salvia Farinacea* Blue Bedder is increasingly popular in summer borders.

Splendens Type

- 4640 **America, or Globe of Fire.** 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.
4655 **Clara Bedman or Bonfire.** 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. ¼ oz., 75c; pkt., 25c.
4662 **Harbinger.** The plants are dwarf and compact and dark foliage is very effective against the vivid scarlet of the flowers; seeded indoors in February, will begin to flower in June and maintain a blaze of color until frost. Pkt., 25c.
4665 **Indian Purple.** A true-violet purple, similar in habit to Scarlet Sage, holding its color and fragrance through the hottest summer. Gives striking effects in combination planting. Pkt., 25c.
4669 **St. John's Fire.** Brilliant scarlet spikes in profusion. Dwarf, early and continuous bloomer. Pkt., 25c.

- 4670 **Zurich.** Early. The plants are dwarf and compact with large brilliant flower spikes. Pkt., 25c.
4671 **Splendens.** The well known popular scarlet sage. ¼ oz., \$1.00; pkt., 20c.
4675 **Mixed.** All red varieties. Pkt., 10c.

Other Salvias

Cultures: A or B, D or E, Page 67

- 4683 **Farinacea Blue Bedder.** 2½-3 ft. An improved selection of the lovely blue *Farinacea*, sturdier in growth, with a deeper blue coloring. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink *Petunias* or used as a cutflower with *Marigold Yellow Supreme*. Pkt., 20c.
4685 **—Royal Blue.** Upright growth and of more intense color than Blue Bedder. Fine bushy plants, nice long spikes for cutting, and true. Pkt., 20c.

See also Novelty and Perennial Pages.



4683 **SALVIA Farinacea Blue Bedder** (in Background). Pkt., 20c.
5770 **VINCA White** (in Foreground). Pkt., 10c.



4640 **SALVIA SPLENDENS America.** Pkt., 25c.



4757 **SCHIZANTHUS Vaughan's Excelsior Hybrids.** Pkt., 25c.

Schizanthus

Butterfly Flower or Poorman's Orchid

Culture: A or B, D or E, Page 67

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors.

- 4754 **Pansy Flowered (Danbury Park strain).** Large blooms of Pansy shape, in rich pink, crimson, mauve, purple and white. Pkt., 35c.
4755 **Dr. Badger's Hybrids.** An extraordinary strain in many beautiful colors. Pkt., 25c.
4762 **Retusus Mixed.** Pkt., 10c.
4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Pkt., 25c.
4753 **Vaughan's Dwarf "Masterpiece."** This is to our knowledge the best strain of *Schizanthus* in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The flowers vary from light pink to dark violet, all with conspicuous blotches. Pkt. (100 seeds), 50c.

GIFT CERTIFICATES

Vaughan's Gift Certificates are available in any Amount and redeemable at any time for our Merchandise.



4795 RUSSIAN STATICE. Pkt., 10c.

Statice □

For Winter Bouquets

Culture: D or E, Page 67

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets.

- 4800 **Bonduelli Superba.** 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.
- 4793 **Puberula.** 4-6 in. Flowers 5 months after sowing; magnificent dark violet blooms. Pkt., 25c.
- 4795 **Russian (Suworowii or Rat Tail).** 30 in. Flowers bright rose color. Dries well and can be used as an everlasting. $\frac{1}{8}$ oz., 25c; pkt., 10c.
- 4801 **Sinuata Rosea Superba.** 3 ft. Pkt., 10c.
- 4802 **—Pale Violet, Yellow Center.** Pkt. 10c.
- 4808 **—Lavender Queen.** New clear bright lavender. Pkt., 10c.
- 4806 **—New Hybrids.** One of our growers has selected Art Shades, which we offer in a mixture for the garden and winter bouquets. Pkt., 15c.
- 4803 **—True Blue (Kampf's Improved).** Pkt., 15c.
- 4804 **—Pure White.** 3 ft. Pkt., 10c.
- 4805 **—Mixed.** 3 ft. Pkt., 10c.



4828 STRAWBERRY Red Baron Solemacher. Pkt., 25c.

Runnerless Strawberry

- 4828 **Baron Solemacher.** This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c; 3 for 65c.

Pretty Star from Texas □

Culture: A, B, D or E, Page 67

- 4820 **Star of Texas (Xanthisma Texanum).** Bushy 18-inch plants bear these bright yellow daisies on wiry stems. Sow early in the open, plants bloom freely and like dry, sunny places. Pkt., 25c.

Stocks □

Culture: A or B, D or E, Page 67

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. Stocks are a cool temperature crop and sometimes disappoint us during the summer months.

Column—Non Branching

An excellent new class producing one stem $2\frac{1}{2}$ ft. thickly set with large, double flowers. The first flowers appear when the plant is about 14 inches high.

- | | |
|---------------------|---------------------|
| 4951 Chamois Pink. | 4956 Silvery Lilac. |
| 4961 Yellow Wonder. | Best yellow. |
| 4960 Rose Pink. | 4957 White. |
| 4955 Ruby. | 4958 Mixed. |
| 4953 Moonlight. | Light yellow. |
- Price, each of the above, pkt., 25c.



4805 STATICE Sinuata Mixed. Pkt., 10c.

- 4952 **Double Giant Column Gardenia.** Shimmering, glistening white, the flowers are the purest snow white of any stock variety yet introduced. Producing only one flower spike to a plant, this spike will however be of enormous size, 12" to 15" of florets and nearly 3 feet in length, and 4" or even $4\frac{1}{2}$ " in depth, with the individual florets closely and compactly placed on the stem. Pkt., 50c.

Bismarck or Giant Imperial

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use. $2\frac{1}{2}$ ft.

- | | |
|--------------------------------|---------------------|
| 4921 Buttercup. Yellow. | 4946 Chamois. |
| 4945 Blood Red. | 4931 Dark Blue. |
| 4944 Elk's Pride. Royal Purple | |
| 4947 Flesh. | 4930 Lilac. |
| 4948 Golden Rose. | 4929 Old Rose. |
| 4932 Lavender. | 4925 Shasta. White. |
- Price, each of the above, pkt., 15c.
- 4949 **Bismarck Mixed.** $\frac{1}{8}$ oz., 50c; pkt., 15c.



4820 STAR OF TEXAS. Pkt., 25c.



4865 STOCKS Best Mixed. Pkt., 10c.

Dwarf Large-Flowering— Ten Weeks Stock, 12 in.

- | | |
|---------------------|------------------|
| 4845 Blood Red. | 4850 Light Blue. |
| 4835 Canary Yellow. | 4841 Rose Pink. |
| 4856 Dark Blue. | 4830 White. |
- Each of the above, pkt., 10c; any 3 pkts. for 25c.
- 4865 **Best Mixed.** $\frac{1}{8}$ oz., 50c; pkt., 10c.

Annual Sunflowers

HELIANTHUS Large Flowered □

Culture: A or B, D or E, Page 67

- 2700 **Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow, still others slightly washed with red. Pkt., 10c.
- 2707 **Californicus.** 5 ft. Double dark yellow. Pkt., 10c.
- 2709 **Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers. Pkt., 10c.
- 2703 **Maroon Prince.** Single best red. Pkt., 15c.
- 2715 **Double Mixed.** Pkt., 10c.
- 2725 **Russian Mammoth.** 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. 1 oz., 10c.

Miniature-Flowered

- 2727 **Cucumerifolius Orion.** 5 ft. Charming small flowers, rich yellow, black center. Pkt., 10c.
- 2740 **—Purpureus.** Red and yellow tones. Pkt., 10c.
- 2755 **—Vaughan's Special Mixture.** Includes many cucumerifolius sorts. Not listed. Pkt., 10c.



2755 HELIANTHUS Cucumerifolius Vaughan's Special Mixed. Pkt., 10c.

- 2760 **Vaughan's Special Mixture.** Of all the single and double Sunflowers we list and several varieties we buy especially for this mixture. $\frac{1}{2}$ oz., 25c; pkt., 10c.

10 Best Early Spencer Sweet Peas for 75c.

Culture: D or E, Page 67

A RACE of Sweet Peas, having the large waved flowers of the Spencer type but flowering fully one month earlier, and for a much longer period. This class is recommended for all sections where spring is late, as they give flowers before the summer heat arrives. ★Varieties preceded by star are fragrant.

Collection No. 5600. One Packet Each, Sweet Peas, Early Flowering Spencer

Amethyst, Daphne, Fiesta, Laddie Improved, Mrs. Herbert Hoover, Orange King, Sequoia, Snow Queen, Tahoe and Twilight 75c

Heat-Resisting Summer Flowering Spencer

The introduction of these spring flowering or heat resistant varieties greatly prolongs the flowering period of Sweet Peas especially where the summers are very warm. The stems are longer than the early flowering varieties and the flowers come earlier and last longer.

- | | |
|---------------------------------|---------------------|
| 5275 Blackseeded White Improved | 5282 Light Blue |
| 5278 Blue | 5280 Light Lavender |
| 5276 Clear Pink | 5281 Mauve |
| 5279 Lavender | 5277 Rose Pink |

Each of above, pkt. 20c; 3 pkts. 50c.

- 5285 Mixed Heat Resisting New Early Flowering. Pkt., 20c; ½ oz., 60c; oz., \$1.00.

SEVEN NEW EARLY FLOWERING VARIETIES □

- 5362 **Coquette.** Coral pink with amber and salmon shadings on duplexed flowers.
- 5408 **Fiesta.** A strong self color almost deep enough to be an orange scarlet. Vigorous grower, definitely sun-proof.
- 5485 **Miss Liberty.** Rose carmine on white ground.
- 5521 **Rhapsody.** Deep lavender base color that is enlivened by dainty rose-pink tints.
- 5526 **Rhumba.** A glistening golden cerise, large flowered and deeply duplexed.
- 5543 **Sparks.** Bright orange scarlet; large flowered.
- 5547 **Tops.** A fine salmon rose. Beautifully duplexed flower.

Each of above, pkt., 25c; 3 pkts. for 65c.

Any of the packets below, 10c each; 3 packets for 25c.

- | | |
|---|---|
| 5343 American Beauty. Crimson-rose on white. | 5486 Mariner. Clear marine blue. |
| 5345 ★ Amethyst. Royal purple. | 5488 Mrs. Calvin Coolidge. Rich salmon-pink. |
| 5346 Apollo. Soft salmon cerise. | 5495 ★ Mrs. Herbert Hoover. Clear deep blue. |
| 5353 Bacchus. Rich red maroon. | 5497 Mrs. H. R. Holscher. Clear pink. |
| 5349 Ball Orange Improved. | 5500 Orange King. Glowing orange. |
| 5354 ★ Blue Bird. Violet-blue. | 5501 Oriental. Deep cream, black seeded. |
| 5352 Boon. Deep salmon-pink. | 5522 Redwood. Bright rich crimson. |
| 5347 Bridesmaid. Silvery pink. | 5529 Sequoia. Rich golden salmon-cerise. |
| 5348 Burpee's White. | 5528 Shirley Temple. Soft rose-pink. |
| 5361 Celestial. Soft warm shade of cerise and salmon rose. | 5539 Snow Queen. Pure white, black seeded. |
| 5370 Dawn. Glowing deep chamois pink. | 5548 Tahoe. Large wavy flowers, chicory blue. |
| 5367 Daphne. Soft salmon-pink on cream ground. | 5552 Triumph. Lovely soft lilac mauve. |
| 5399 Eileen. Begonia rose with salmon shading. | 5554 Twilight. Medium clear lavender, large flowered and long stemmed. |
| 5411 ★ Fragrance. Large frilled lavender. | 5553 Treasure Island. A sparkling golden orange. |
| 5415 ★ Gardenia. Fragrant white. | 5555 Valencia. Bright orange, sun-proof. |
| 5416 ★ Giant Rose. Extremely large rose-pink. | 5557 ★ Vogue. Rosy lavender. |
| 5417 Geranium. Warm salmon cerise. | 5558 Vulcan. Vivid scarlet, sun-proof. |
| 5430 Grenadier. Dazzling scarlet. | 5560 White Champion. Long stemmed, pure white flowers. |
| 5438 ★ Harmony. Lavender. | 5561 ★ White Harmony. |
| 5439 Hiawatha. Deep rose self. | Inoculate Sweet Peas with Nitragin. |
| 5440 Hope. Black-seeded white. | Two garden sizes, 10c and 25c. |
| 5466 Jeanne Mamitsch. Striking pink. | For PERENNIAL SWEET PEAS— |
| 5453 Josie. Brilliant rose-pink. | See Lathyrus Latifolius. |
| 5470 ★ Laddie Improved. Light rose-pink. | |

- 5595 **Vaughan's Special Mixture, Early Flowering Spencers.** All the varieties listed and many others. 4 oz., \$1.50; 2 oz., 90c; oz., 50c; pkt., 15c.

- 5320 **Vaughan's Special Mixture, Late Spencer.** Named late flowering Spencer, varieties growing wonderful blossoms for a long period ¼ lb., 60c; oz., 25c; pkt., 10c.



5590 **Fragrant Varieties of Sweet Peas Mixed.** A mixture of the starred varieties noted in text. Large pkt, 25c; oz., 65c.



5635 TAHOKA Daisy. Pkt., 25c.

Tahoka Daisy □ 20 in.

Culture: A or B, D or E, Page 67

5635 A beautiful lavender-blue Daisy with fern like foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., 25c.



5645 TORENIA Fournieri. Pkt., 15c.

Torenia (Wishbone Flower) □

Culture: D or E, A or B, Page 67

5645 Fournieri. Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Grown in southern states instead of Pansies, they flowered freely and grew vigorously during a hot and dry season in our Trial Grounds. Excellent for rock gardens, pots and hanging baskets. Pkt., 15c.

Texas Queen Anne's Lace □

Culture: A or B, Page 67

5638 Large heads of tiny white flowers of lacelike appearance. Resembles Queen Anne's Lace of our roadsides, but more refined. Grows 3 to 5 ft. tall. Pkt., 10c.

THIMBLE FLOWER— See Gilia Capitata.

Thunbergia (Golden Glory Vine)

Culture: D or E, A or B, Page 67 □ 5 ft.
Germination 3-4 Weeks.

5640 Alata, Mixed (Black-Eyed Susan). A lovely plant with large showy flowers. Forming a dense mat of foliage and flowers. Colors range through yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes. ¼ oz., 30c; pkt., 10c.

5639 Gibsoni. Glistening green ivy foliage and flowers of glowing orange. Pkt. (15 seeds) 35c.

5655 TRITOMA Hybrida Mirabilis (Red Hot Poker Plant). A perennial that blooms the first year. Pkt., 15c.

Free Flowering Violas □

Culture: A or B, Page 67

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer.

CORNUTA TYPE

- 5785 **Admiration.** Violet-blue. Pkt., 10c.
- 5790 **Blue Perfection.** Light blue. Pkt., 10c.
- 5804 **Chantreyland.** Apricot, very free flowering. Pkt., 25c.
- 5809 **Ilona.** Wine red. Pkt., 25c.
- 5796 **Jersey Gem.** Flowers of rich pure violet, large, fragrant, flowering persistently all summer. Pkt., 25c.
- 5800 **Papilio Blue and White.** Flowers soft lavender-purple, lower petals flushed white. Pkt., 10c.
- 5810 **Primrose Perfection.** Beautiful shade of primrose, fine form. Pkt., 25c.
- 5802 **Puck.** Upper petals purple-velvet, lower clear yellow. Pkt., 15c.
- 5806 **White Perfection.** Finest white. Pkt., 10c.
- 5795 **Nosegay.** A blend of bright gay colors, red, yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.

Miscellaneous Violas

- 5797 **Johnny-Jump-Up or Viola Tricolor.** Also known as "Ladies' Delight" and "None so Pretty" of our grandmother's garden. It is a precious possession even if we have to weed out the plants when they get too ambitious and crowd out more delicate kinds. They are more hardy than their relative the Violas and if allowed to seed will carpet a rose or iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name and the combinations are variable—sometimes there will be a yellow blossom and below it on the same stalk one of yellow and blue. Pkt., 25c.
- 5811 **Calcarata.** A long-stemmed royal indigo with radiate pencillings, but there will also be purple, cream or rare pink lilac. Pkt., 20c.
- 5796A **Jovi.** In full flower by early April, before its own leaves appear. It is then a cushion of pink lilac. Sometimes called Jewel Violet. Pkt., 25c.
- 5811A **Nigra or Black Imp.** Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.
- 5812 **Saxatilis.** Myriad flowers carried well over the low, spreading plants, golden yellow, lemon, lavender, mauve and rosy lilac, and two-tone flowers. Easy from seed, first year. Pkt., 25c.
- 5805 **Yellow Gem.** Free flowering clear yellow of compact habit, reproduced nearly true from seed. Pkt., 20c.

5813 **VIOLA Vaughan's Special Mixture.** A charming and delightful mixture of these bright and everblooming Violas in a complete color range, shading from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt..... 25c

See Novelties.

Golden Flower of the Incas TITHONIA □ 8 ft.

Culture: D or E, Page 67

5641 **Speciosa, Early Flowering Fireball.** The flowers resemble a giant single Zinnia of a vivid orange-scarlet; borne on huge bushes with woody stems, and large leaves with velvet bloom. From seed started in March plants in full sun will blossom in late August. Desirable as background in roomy borders. Pkt., 25c.

5642 **Avalon Earliest.** The blossoms range from orange topaz through tangerine. Sow where the plants are to stand, after the soil is warm. By mid-July the plants will be in bloom. Pkt., 25c.

Trachelium □ 1 to 3 ft.

Culture: D or E, Page 67

5656 **Coeruleum.** Large cloudlike heads of tiny flowers resembling the Gypsophila produced in the fall from spring-sown seeds. Heliotrope blue in color, borne freely on branching stems, the flowers can be increased by pinching back the stems, making a fine pot plant. Pkt., 25c.

VERBESINA ENCELIOIDES—See Butter Daisies



5813 VIOLA Vaughan's Special Mixed. 25c.

CORNUTA HYBRIDS (Large Flowers)

- 5786 **Apricot.** Beautiful rich apricot shade, tinged orange towards the center. Pkt., 25c.
- 5787 **Arkwright Ruby.** Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.
- 5788 **Black Prince.** 8 in. Velvety black. Pkt., 10c.
- 5789 **Blue Butterfly.** Vivid mid-blue shading to white in the upper petals. Pkt., 25c.
- 5798 **Lutea Splendens.** 8 in. Bright yellow. 10c.



5769 VINCA Rosea Twinkles. Pkt., 15c.

Vinca Rosea (Periwinkle) □

Culture: D or E, Page 67

Ornamental free-blooming plants, with dark Laurel-like foliage and handsome pink and white flowers. Seed germinates slowly but if sown early plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom for the winter. 1 ft.

- 5770 **White.** 5772 **White with Eye.**
- 5771 **Delicata.** Soft pink. 5773 **Pink.**
- 5774 **Kermesina.** Bright red, dark green leaves with red stems.

Each of the above, pkt., 10c.

- 5769 **Twinkles.** Large flowers of an unusual soft blush pink with a bright red eye. Pkt., 15c.
- 5775 **Mixed.** Pkt., 10c.



5706 ROSEA STELLATA Pkt., 15c. 5718 LAVENDER GLORY. Pkt., 15c. 5701A ETNA. Pkt., 15c. 5699 APPLEBLOSSOM. Pkt., 15c.



5658A VENIDIUM Fastuosum Hybrids. Pkt., 25c.

Venidium □

Culture: D or E, Page 67

5658 Fastuosum. 2 to 3 ft. Above the grayish silky foliage rise numerous orange flowers marked with a purple-black zone averaging four to five inches across. Treat as a half-hardy annual, sowing in March or April, as germination is difficult earlier. Plant in sunny position. Pkt., 25c.

5658A Fastuosum Hybrids. 2-3 ft. A new race with colors from pure white through ivory, yellow and buff, set off by glistening black centers with maroon markings at base of petals. Pkt., 25c.

Lace Verbena (Zaluzianskya Villosa) □

Culture: A or B, D or E, Page 67

5973 Individual florets grow about 1/2 inch across and are so shaped as to resemble a snow crystal; most interesting and unusual. They are of a pleasing lavender color distinctly set off by a star-like spot of orange at the center. Low spreading plants 8 inches high. Long blooming season. Pkt., 20c.

Viscaria □

Culture: D or E, Page 67

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

5776 Blue Bouquet. 1 ft. Large blue. Pkt., 10c.

5782 Blue Pearl. This is a distinct variety, differing from all other blue Viscarias, and entirely without an "eye." It is a pure lavender blue, the flowers borne in abundance. Pkt., 10c.

5784 Dwarf Fiery Red. A very showy and effective dwarf garden annual producing freely throughout the summer, large single bright red flowers. Pkt., 15c.

5778 Mixed. 1 ft. Pkt., 10c.

5779 Dwarf Mixed. 8 in. Pkt., 10c.

Verbenas □

Culture: D or E, A or B, Page 67

These are colorful annuals for some sunny spot in the border. In bloom continuously. They make gay bouquets for table decorations. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grows only 6 to 12 inches tall but spreads to 2 feet across.

HYBRIDA Gigantea 1 ft.

A magnificent strain of Verbenas, of robust habit, the individual florets measuring an inch in diameter.

5701 Gigantea Alba. Pure white. Very fragrant.

5721 —Annapolis Blue. A giant bearing large trusses of flowers of light to mid-blue blending in effect of deep Belladonna blue. Pkt., 25c.

5699 —Appleblossom. Delicate cameo pink.

5700A —Brilliant. Rich deep flame rose with white eye. Pkt., 25c.

5702 —Cerise Queen. Salmon cerise.

5722 —Crimson Glow. A pure glowing crimson. Pkt., 25c.

5701A —Etna. Geranium-red, with a cream eye.

5718 —Lavender Glory. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5703 —Lucifer. Vivid scarlet self.

5704 —Luminosa. Luminous flame-pink to salmon.

5709 —Miss Willmott. Salmon-rose, white eye.

5705 —Rose Cardinal. Rose, white eye.

5706 —Rosea Stellata. Pink, white eye.

5719 —Royale. Royal blue, creamy yellow eye.

5710 —Spectrum Red. Intense bright red.

5720 —Spitfire Giant. A strong scarlet rose self, showing only a trace of an eye. The liveliest color in this group. Pkt., 25c.

5717 —Sutton's Giant Pink. Salmon-pink, light eye.

5707 —Violacea Stellata. Deep violet, white eye.

Each of the above, except when noted otherwise, pkt., 15c; any three 15ct. pkts. for 35c.

5708 Gigantea Mixed. A wonderful mixture of large flowering varieties. Pkt., 15c.

5711 Beauty of Oxford Hybrids. A beautiful giant strain. Color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. Florets easily cover a silver half dollar. Pkt., 15c.

5712 Floradale Beauty. Beauty of Oxford type of rose shades, salmon-rose predominating. Pkt., 15c.

5713 Royal Bouquet, Finest Mixed. Upright, large flowers, auricula eyed, brilliant mixed, especially good for pot culture. Pkt., 15c.

5789 Red, White and Blue Mixture

A mixture of large flowered Verbenas in red, white and blue are carefully blended in equal proportions. The effect is not only patriotic, but artistic. Pkt., 15c

5730 VERBENA Vaughan's Best Mixture. Includes all the Hybrid and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. 1/2 oz., 50c; large pkt., 25c; pkt., 15c

Dwarf Compact Varieties—6 in.

This group is compact in habit, continuous bloomers, adapted for bedding, borders and small gardens.

5748 Blue Sentinel. Rich navy blue. Pkt., 25c.

5732 Chamois. Salmon buff.

5733 Dark Blue.

5735 Fireball. 5740 White.

5744 Red Sentinel. Upright habit. Intense bright red without an eye. Like Spectrum Red in the giant class. Pkt., 25c.

5745 Carmine Ball. Ten inches high and 12 inches across, completely covered with bright carmine flowers.

5747 Splendor. Very compact, scarlet with white eye.

5742 Violet Bouquet. Deep violet with cream eye.

Each of the above, except when noted otherwise, pkt., 15c; any three 15ct. pkts. for 40c.

5746 VERBENA Vaughan's Special Dwarf Mixture.

A formula mixture of named varieties of compact dwarf varieties of all colors, giving a brilliant effect in mass planting. Excellent for front yard and formal plantings. 1/2 oz., 60c; large pkt., 25c; pkt., 15c

Various Verbenas

Culture: D, E or C, Page 67

5755 Erinoides. 12 in. Moss-like foliage spreads over the ground like a carpet, purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.

5760 Erinoides Alba. 12 in. Same as above but with white flower heads. Pkt., 10c.

5751 Fern Leaved (Bipinnatifida). Entirely new form. Plants grow 18 inches, spread over two square feet, with ferny, feathery gray-green foliage; covered by clusters of lavender-blue flowers, resembling sprays of lilac Candytuft. Pkt., 25c.

5765 Venosa. 1 ft. Largely used for bedding; covered with bright rosy heliotrope flowers. Sow in March in clear sand for quick germination. Blooms until frost, hardy with protection. An interesting combination when used with Marigold Harmony. Pkt., 10c.

5766 —Lilacina. 1 ft. Resembles Venosa, but with blossoms of lavender-blue. Hardy with protection. Pkt., 25c.

8566A Bonariensis. ① 4 ft. A grand perennial that blooms from seed the first year for the herbaceous border or for cutting. Sweet scented rosy lavender flowers on long stiff stems. Pkt., 15c.

5750 Lemon-Scented. —An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 25c.

New Types of Zinnias □



5891 ZINNIA, Giant David Burpee. Pkt., 15c.

Giants of New Race

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5891 Zinnia David

Burpee. 4 ft. This is a distinct strain of giant flowers, which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra cotta, apricot and some two-toned. All are interesting, some exciting; a "surprise garden mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c.



6159 ZINNIA, Scabiosa Flowered Mixed. Pkt., 15c.

New Crested Type

Scabiosa Flowered or Harmony 2 1/2 ft.

6159 Mixed. On a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. 1/4 oz., 60c; pkt., 15c; 3 pkts., 40c.

6160 Autumn Tints Mixed. This strain comes true in all the gorgeous autumn tints, including orange to terra-cotta. Pkt., 15c.

6159A Campfire. Vivid intense scarlet. Pkt., 15c.

6160A Sunburst. Bright canary yellow. Pkt., 15c.

Giant Picotee

6157 Giant Picotee Mixed. A distinct class with double flowers in orange, flesh, lemon, pink and cerise, each petal tipped with darker shades. Pkt., 15c.

Virginia Stock □ 6 in.

Culture: D or E, Page 67

5815 Mixed. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect; very fragrant. Oz., 15c; pkt., 10c.

Wallflower ÷ 18 in.

Culture: D or E, Page 67

Wallflowers excel in adaptability for pot culture and out-door bedding and their fragrance and oriental coloring, rich reds and yellows. In the Northern states they should be wintered in cold frames.

5820 Single Mixed. Pkt., 10c.

5825 —Annual Blood-Red. Pkt., 10c.

5830 —Annual Golden Gem. Pkt., 10c.

5835 —Annual Mixed. Pkt., 10c.

5832 Annual Double. A fine pot plant, will bloom first year from seed, if sown early. Pkt., 15c.



5896 ZINNIA, Fiesta. Pkt., 25c.

Medium sized flowers are striped red and yellow, suggesting the colors of the Spanish flag so popular in Mexican Fiesta decorations. A gay variety for a sunny planting. Pkt., 25c.

Wild Cucumber □ =

Culture: A or B, D or E, Page 67

5847 Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. If sown along a wire fence the vines will soon cover it and the dainty white flowers will make it a lovely sight for a long time. 1 oz., 25c; 1/2 oz., 15c; pkt., 10c.

Xeranthemum (Everlasting)

□ 2 ft.

Culture: D or E, Page 67

5852 Superbissima. One of the loveliest of the everlastings, with flowers which retain their brilliant colors remarkably well when dried, this double pompon flowered Xeranthemum may also be used as a cut flower when fresh. It makes delightful arrangements in small bowls. Pkt., 20c.

6175 ZEA Japonica Quadricolor Perfecta (Rainbow Corn). Striped and colored foliage; small ears, dark colors. Pkt., 10c.

Vaughan's Wick-Fed Seed Starter

Petunia seeds need an early start indoors; and this can be given successfully in a sunparlor or living room window, by using Vaughan's Wick-Fed Seed Starter. (See Index). It embodies the latest scientific methods, and does away with dirt and dampness.



6172 ZINNIA, Navajo Mixed. Pkt., 15c. 18 in. Flowers abundant, of medium size, scarlet, orange and other hues suggesting Navajo Indian decorations. Pkt., 15c.



5908 ZINNIA, Fantasy Mixed. Pkt., 15c.

Fantasy Shaggy Type

2 1/2 ft. Shaggy ray-like petals, like Cactus Dahlia.

5912 Orange Lady. Bright deep orange.

5911 Rosalie. Intense rose.

5909 Star Dust. Deep golden yellow.

5913 White Light. Pure white.

5914 Wildfire. Rich dazzling scarlet.

Each of the above, pkt., 15c; 2 pkts. for 25c.

5908 Mixed. A bright colorful mixture of shaggy petaled double flowers. 1/4 oz., 50c; pkt., 15c.

6173 Vaughan's Novelty Mixture. All the new forms of the Zinnia, such as the Fantasy, Navajo, Striped and others. We recommend it to all interested in novelties. Pkt., 25c; 3 pkts., 65c.

Small and Medium Flowered Zinnias □



6126 ZINNIA Vaughan's Mixture of Midget. Pkt., 15c.

Culture: A or B, D or E, Page 67

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers.

6126 Vaughan's Mixture of Midget Zinnias.

Includes all the fifteen varieties illustrated and others; all delightful, charming in the garden and of just the size to make attractive table arrangements. Many your friends will never recognize as Zinnias. Easy to grow and always covered with bloom. $\frac{1}{4}$ oz., 50c; pkt., 15c.

Cupid Type 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

6020 Tiny Tim. Scarlet. 6021 Pixie. Yellow.

6022 Snowdrop. Pure clear white; good mixer.

Each of the above, pkt., 15c; 3 pkts. for 40c.

6025 Cupid Mixed. $\frac{1}{4}$ oz., 35c; pkt., 10c.



6127 ZINNIA Linearis. Pkt., 15c.

6127 Linearis. 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed, the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed. Early flowering. Pkt., 15c.



6071 ZINNIA Pompon Lilliput Black Ruby. Pkt., 10c.

Pompon (Lilliput) or Baby Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

6071 Black Ruby. Rich deep maroon.

6052 Bright Pink. 6064 Purple.

6073 Canary Yellow. 6065 Salmon Rose Gem.

6061 Crimson Gem. 6066 Scarlet Gem.

6062 Golden Orange. 6067 White Gem.

6068 Rose Bud. Rose-pink.

6069 Valencia. A real deep burnt orange.

Each of the above, pkt., 10c; 3 pkts. for 25c.

6075 Lilliput Vaughan's Special Mixed. All above and others. Oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt., 10c.

6070 Lilliput Pastel Mixture. 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

6125 Mexicana Fl. Pl. Hybrids. 16 in. Double flowers in various shades of brown and orange. 10c.

6115 Mexicana or Miniature. Flowers small and showy. Daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. Pkt., 10c.



6105 ZINNIA Pumila Vaughan's Special Mixed. Pkt., 10c.

Pumila Double 18 in. "Cut and Come Again"

On bushy plants 18 inches tall, fully double flowers are borne in abundance. The flowers average two inches across, and are held above the foliage on stout stems. They make fine border plants, registering color well, or excellent plants for large pots and tubs. They are also fine cut flowers.

6080 Snow Ball. 6095 Fire Ball.

6085 Golden Ball.

6097 Pinkie. Rose-pink. Plant this with No. 180 Ageratum Tall Blue for a charming effect.

6098 Spun Gold. A delicate butter-yellow or deep primrose, fine form.

6100 Watermelon Pink. A very pleasing and charming shade of salmon-rose.

Each of above, pkt., 10c; any 3 pkts., 25c.

6105 Pumila Vaughan's Special Mixed. Oz., 75c; $\frac{1}{4}$ oz., 25c; pkt., 10c.



6110 ZINNIA Red Riding Hood. Pkt., 10c.

A Favorite Border Plant

6110 Red Riding-Hood. 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. A customer writes: "Just imagine clumps of little red flowers, with maybe a hundred blooms. They have been in flower all summer through the heat and drought. They make buds as soon as they get started and keep merrily on their way." Oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt., 10c.

Detroit, Michigan
June 22, 1942

TESTIMONIAL

"My Canterbury Bells this year are the most magnificent I've ever seen and are the wonder of the whole neighborhood." J. F. R.

Collection of Six Packets Giant

OLD ROSE

Zinnias for 50c.

6171 6 PACKETS, CATALOG VALUE 90c.
One each of Crimson Monarch, Dream, Polar Bear, Illumination, Old Gold and Eldorado prepaid.

Zinnias are heat loving plants, and seed should not be sown until the ground and atmospheric conditions are warm. If grown in a sunny spot in well fertilized soil and watered freely, the flowers will be more completely double.

Giant Dahlia Flowered Zinnias 2 to 3 ft. Culture: A or B, D or E, Page 67

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias.

- 6131 **Canary Bird.** A delicate shade of primrose.
- 6133 **Crimson Monarch.** Rich crimson, largest and best of red shades.
- 6131A **Crown of Gold Desert Gold.** The bicolor effect of deep golden-yellow at the base of each petal, contrasted with light or deeper gold at the tip.
- 6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).
- 6134A **Eldorado.** Salmon apricot.
- 6135 **Exquisite.** Color light rose with center a deep rose.
- 6137 **Golden Dawn.** Beautiful shade of golden-yellow with red center.
- 6136 **Golden State.** A very rich orange-yellow. Yellow in the bud, turning to an attractive range when in full bloom.
- 6130 **Illumination.** Similar to Exquisite, but a striking self-color of deep rose.
- 6128 **Lemon Beauty.** Lemon yellow turning to russet.
- 6130A **Luminosa.** Bright deep pink.
- 6142 **Meteor.** A rich glowing deep red, darkest of all red shades.
- 6129 **Old Gold.** Glowing burnished deep and lighter shades of old gold.
- 6138 **Oriole.** An immense orange and gold bicolor.
- 6139 **Polar Bear.** A very large pure white, the best white.
- 6143 **Royal Purple.** A new shade—a deep rich reddish purple. Flowers 4 inches across. Are of excellent form and remind one, from the color, of soft rich velvet.
- 6143A **Will Rogers.** The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 inches in diameter, resembling Show Dahlias of the loveliest and most brilliant scarlet red.

Each of above Any four pkts., 50c; pkt., 15c

6145 **Giant Dahlia Flowered, Gold Medal Mixed.** All the above and others, including a bewildering variety of delightful colors, all giant flowers. A very charming and delightful surprise will result if you plant this. Oz., \$1.50; ¼ oz., 50c; pkt., 15c



CANARY BIRD

CRIMSON MONARCH

DREAM

6145 **ZINNIA Giant Dahlia Flowered, Gold Medal Mixed.** Pkt., 15c.

6170 **Vaughan's Special Mixture** of all Giant sorts including the cream of the Dahlia Flowered; California Giants and Picotee mixed. Producing a mass of color. Oz., \$1.50; ¼ oz., 50c; pkt., 25c

California Giant Zinnias 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful.

- 6161 **Brightness.** A bright, deep rose.
- 6164 **Cherry Queen.** Beautiful orange rose.
- 6162 **Enchantress.** Giant flowers of light rose pink, early.
- 6146 **Grenadier.** A very dark red.
- 6147 **Lavender Gem.** A good clear lavender.
- 6150 **Lemon Queen (Daffodil).** The petals are light canary on the upper and cerise on the lower side. It is the only Zinnia with fragrance, and is of exceptional size.
- 6163 **Miss Willmott.** Soft pink.
- 6151 **Orange King.** Rich, deep orange.
- 6167 **Pink Profusion.** Delicate shrimp pink.
- 6153 **Purity.** A clean pure white.
- 6166 **Rose Queen.** Warm, deep rose, outstanding.
- 6154 **Salmon Queen.** Salmon rose.
- 6165 **Scarlet Queen.** Glowing scarlet.
- 6149 **Violet Queen.** Deep purple.

Each of the above, pkt., 15c; any 4 pkts. for 50c.

6156 **California Giants Vaughan's Special Mixed.** Made from a carefully prepared formula with due regard to color harmony and will make a gorgeous showing in beds or borders. Oz., \$1.50; ¼ oz., 50c; pkt., 15c.

5901 **Super Crown of Gold Pastel Tints.** Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c.



Eldorado, the Experts' Favorite

6134A **Eldorado.** In the opinion of the geneticists who spend their lives breeding better flowers, this is the finest of all dahlia flowered giants, in size, trueness to type, and uniformity of season and habit. Pkt., 15c.

Perennial Flower Seeds and Plants

For Additional Perennial Seeds and Plants See Also Pages 57 to 65 Inclusive.

NOTE—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted on page 57, or they will be sent express at buyer's expense.



7195 ARABIS Alpina Rock Cress. Pkt., 10c.

Arabis (Rock Cress) ①

Culture: D or E, Page 67

Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

7195×Alpina. 1 ft. April. Pure white. Pkt., 10c.

7198A—Snow-cap. Extremely dwarf and compact habit; really shining, snow-white cushions of flowers. Pkt., 15c.

7197X—Rosea. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c.

Columbines ①

Culture: B, C, D or E, Page 67

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock-garden, tall varieties for the border and for cutting. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil. These plants covered with dancing, quivering blossoms, add grace and airiness to any garden.

7151 **Dobbie's Imperial Hybrids.** A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7150 **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c. Plants, 3 for \$1.15; doz., \$3.50.

7119×Alpina. Powder blue. 2 ft. April-July. Pkt., 15c.

7121 **California Hybrids.** 3 ft. Long spurred, dark carmine-lake. Pkt., 20c.

7120 **Canadensis (American Columbine).** 1 to 2 ft. May-July. Handsome scarlet and orange flowers. Pkt., 10c.

7125 **Chrysantha.** 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c.

7126 —Silver Queen. 3 ft. Long spurred silvery white flowers. Pkt., 25c.

7140 **Coerulea (Rocky Mountain Columbine).** 1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white. Pkt., 10c.

7141 —Mrs. Nicholls. This is a glorified Rocky Mountain Columbine with larger flowers, long spurs, and strong habit. Pkt., 50c.

7145 —Rosea (Rose Queen). 2½ ft. Light to dark rose, white center. Pkt., 25c.

7142 **Colorado Rainbow Hybrids.** Including blue, yellow, white, lavender, orchid, purple, three shades of red, all pink, pink and white, red and white and red and yellow, all in the native Columbine. Pkt., 25c.

7148 **Flabellata Nana Alba.** A charming dwarf variety for the rock garden; perfect foliage and ivory-white flowers, plant 8 to 10 inches high. Pkt., 25c.

7143 **Longissima.** A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 50c.

7144 **Longissima Hybrids.** A new race obtained by crossing Mrs. Scott Elliott's with Longissima. These new Hybrids contain all the beautiful hues, in red, blue, white, rose, etc., of the former, spurs nearly as long as in the Longissima type and broader petals. They are hardier and more lasting. Pkt., 50c.

7158 **Long-Spurred Blue.** Splendid selection from light to dark blue. Pkt., 35c.

7156 **Long-Spurred Crimson Star.** The brightest red Columbine, long spurs and outer petals rich crimson, center petals white. Three-inch flowers on 2-foot stems. Comes true, flowers second year. Pkt., 25c.

7157 **Long-Spurred Copper Queen.** Lovely deep copper with long spurs of deeper hue, while the inside of the corolla is buff. The guard petals are unusually broad, and the flowers gracefully poised. Pkt., 50c.

7159 **Long-Spurred Orange and Scarlet.** Many unusual tones. Pkt., 35c.

7165 **Skinneri (Mexican Columbine).** 2 to 3 ft. June-August. Scarlet and yellow. Pkt., 15c.

7166 **Suaveolens.** 25 in. A rare perennial from the Himalayan Mountains. Flowers a delightful blending of cream and lilac with a sweet rich perfume. Lacy foliage. Pkt., 25c.

7183 **Double Mixed.** These have small double flowers like miniature roses. Pkt., 15c.

7190 **Aquilegia Vaughan's Special Mixture.** Includes all the varieties mentioned and new varieties not offered elsewhere and will furnish a complete collection including the Long Spurred, and the Non-Spurred types, the tall and dwarf sorts. Pkt., 25c. PLANTS, 3, \$1.15; doz., \$3.50.



7190 AQUILEGIA Vaughan's Special Mixture. Pkt., 25c. Plants, 3, \$1.15; doz., \$3.50.

Anchusa (African Forget-Me-Not) ① □

Culture: B, D or E, Page 67

They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants.

7066 **Affinis.** 40 in. Beauty lies in racemes set with white-centered stars of imperial violet. Sown early it will flower the first year. Pkt., 15c.

7067 **Avalon Hybrids.** Gracefully irregular with crossier-sprays of mellow cream, soft primrose, palest blue, azure, indigo, rose, pink, carmine. Blooms from seed the first year. Pkt., 20c.

7065 **Barrellieri.** 2½ ft. Dwarf bushy habit, small deep blue flowers very early in spring. Pkt., 25c.

7070 **Italica, Dropmore Variety.** 5 ft. June-July. Gentian flowers. Thrives in partial shade. Pkt., 15c.

7069 —Lissadell. 6 ft. Large, gentian-blue. 25c.

7071 —Felton Pride. Bright blue, Pkt., 25c.

7068—Morning Glory. 5 ft. Buds appear a rosy mauve but turn to clear blue as they open. Pkt., 25c.

7064 **Riparia.** Sturdy upright plants, branching habit; flowers intense blue, dark and rich, blooms the first year from seed. Pkt., 15c.

7073×**Myosotidiflora.** 1 ft. April-May. A lovely perennial which blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-me-not blossoms held above the foliage on straight stems. Germination is slow and fall sowing in an open seed bed gets good results. Pkt. (50 seeds), 35c.



7719 DICENTRA Spectabilis. Pkt., 35c. Plants, 3 for \$1.75.

Dicentra (Dielytra) ① (Bleeding Heart or Seal Flower)

Culture: B or C, Page 67

Best sown in fall; needs freezing to germinate.

7718 **Eximia (Plumy Bleeding Heart).** Dwarf; reddish purple. May and June. 12 in. Pkt., 25c.

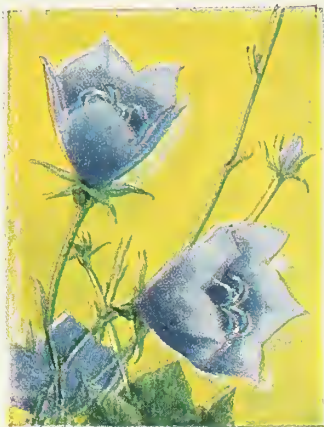
7719 **Spectabilis.** Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border, especially in the shade. Pkt., 35c. PLANTS, 3 for \$1.75; doz., \$5.50.



7073 ANCHUSA Myosotidiflora. Pkt., 35c.



7270 **CAMPANULA** Calycanthema (Cup and Saucer) Mixed. Pkt., 10c.



7260 **CAMPANULA** Carpatica Pkt., 10c.



7310 **CAMPANULA** (Canterbury Bells) Single Mixed. Pkt., 10c.

Campanulas

Culture: B, D or E, Page 67

This brilliant family includes the biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Pyramidalis and Persicifolia types which reach 6 feet. While large growing types demand rich soil, there are no flowers more thrifty or adaptable than the small and medium sized Campanulas.

Canterbury Bells *

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually.

- | | |
|--------------------|--------------------|
| 7325 Double Pink. | 7330 Double Mixed. |
| 7315 Double White. | 7320 Double Blue. |
| 7300 Single Blue. | 7295 Single White. |
| 7301 Single Lilac. | 7310 Single Mixed |
| 7305 Single Pink. | |

Each of the above, pkt., 10c.

PLANTS, Mixed Colors. 3 for \$1.00; doz., \$3.00.

CUP AND SAUCER

- | | |
|--------------------------|-----------------|
| 7270 Calycanthema Mixed. | 2 ft. June-Aug. |
| 7285 —Blue. | 7280 —Pink. |
| 7284 —Lilac. | 7275 —White. |

Each of the above, pkt., 10c.

PLANTS, Mixed Colors. 3 for \$1.00; doz., \$3.00.

No Shipments of Canterbury Bell Plants after May 10.

Perennial Campanulas ①

Seed sown one year, plants will bloom the next and for several years following, increasing in size each year.

7260 X Carpatica (Harebell) Blue. 9 in. June to Aug. Forms tufts of neat foliage above which are borne cup-shaped, upright blooms of a glistening light violet-blue, freely produced. Splendid for edging. Likes partial shade. Pkt., 10c.

7265 X —Alba. 9 in. July. Pure white. Pkt., 10c.

7266 X Cullinmore. A lovely hybrid form of dwarf-growing species, more prolific than Carpatica. Various shades of blue flowers all summer. For edging or rock garden. Pkt., 25c.

7331 X Garganica. Beautiful star-shaped sky-blue flowers fairly cover the trailing plants, excellent for rock gardens. Pkt., 15c.

7335 Lactiflora Coerulea. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.

7344 Persicifolia (Peach Bells). Blue. 2-3 ft. June-July. Fine border plant. Pkt., 25c.

7345 —Alba. White. Pkt., 25c.

7350 Persicifolia, Mixed. Blue and white. Pkt., 25c.

7346 —Telham Beauty. 4 ft. It produces on long stems very large globular open flowers of a lovely china-blue with silvery shading. Pkt., 25c.

7347A —Wedgwood. Large flowers of deep violet blue, good in full sun or partial shade. Pkt., 35c.

7355 Pyramidalis (Chimney Bellflower). Blue. 5-6 ft. August-Sept. Pkt., 10c.

PERENNIAL CAMPANULAS—Continued

7365 Pyramidalis Mixed. Pkt., 10c.

7354 Punctata. 28 in. Plants form rambling foliage mats from which arise flower stalks of varying height from which hang big, pendant bells not unlike a Foxglove, which are waxen without, downy within. Colors range from translucent creamy pink through lilac to purple. Pkt., 20c.

7366 X Rotundifolia (Blue Bells of Scotland). 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Blooms generously in July and again in fall. Pkt., 15c.

7370 Vaughan's Special Mixture of Campanulas.

A grand assortment of all varieties. Fine for cut flowers. Pkt., 25c.

Dianthus Barbatus ①

Single Sweet William

Culture: B, D or E, Page 67

Among the early hardy plants, they are outstanding. They appreciate rich soil. To be sure of large plants and flowers, sow new seed each year. 18-24 inches. May-June.

7670 Atro-sanguineus. Blood-red. Pkt., 10c.

7646 Giant White. Large white flowers. Pkt., 15c.

Homeland. See Novelty Pages.

7655 Nigrescens. Dark foliage and flower. Pkt., 10c.

7660 Newport Pink. Salmon-pink. Pkt., 10c.

7661 Purple Beauty. Bright deep purple. Pkt., 10c.

7635 Scarlet Beauty. Vivid orange or salmon scarlet. Pkt., 15c.

7685 Single Giant-Flowered Mixed. Pkt., 10c.

PLANTS, Mixed Colors. 3 for \$1.00; doz., \$3.00.

Double Varieties

Seedlings of all double Sweet William produce about 40% of single blooming plants.

7703 Nigrescens (Black). 7700 Blood-Red.

7705 Mixed.

Each of above, pkt., 10c.



7715 **SWEET WILLIAM** Vaughan's Special Mixture of all listed and others. Pkt., 25c.



7775 **DIGITALIS** Vaughan's Special Mixture. Pkt., 15c. Plants, 3 for \$1.00; Doz., \$3.00.

Digitalis (Foxgloves) ①

Culture: B, D or E, Page 67

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Their tall spires of brilliant color are among the border's most conspicuous ornaments.

7745 Gloxiniaeflora Mixed Colors. Pkt., 10c.

7768 —The Shirley Hybrids. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.

7771 Laevigata. A dignified and handsome perennial Foxglove. Bronzy yellow flowers with whitish lip. Pkt., 25c.

7760 Monstrosa Mixed. Long spikes surmounted by one enormous flower. Pkt., 10c.

7770 Orientalis. Blossoms of silvery down, on cream, all overlaid with an even netting of chestnut brown. An odd and attractive species. Pkt., 25c.

7750 Grandiflora or Ambigua. 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.

7769 Lutzii Hybrida. 4 ft. The spikes are strong and heavily laden with salmon-rose bells. Pkt., 20c.

7775 Vaughan's Special Mixture of Digitalis. The above, and other colors. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.00.

Plants not shipped after May 10th.

See Novelty Pages.

Hardy Delphiniums ①

Culture: B, D or E, Page 67

Modern hybrid Delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers, varying in colors from the darkest violet to pale lavender. Lower growing types are also valuable for both border and cut flower use; the Chinese and Butterfly types are fine for bedding.

NOTE—A teaspoonful of sugar in the water will delay shattering of cut Delphiniums two or three days.

Taller Species and Hybrids

7549 Belladonna. Blue Grotto. Deep blue, bee royal purple with cream center. Pkt., 15c.

7550 —Improved Cliveden Beauty. 2 ft. June-July. Exquisite turquoise blue. These and *Thermopsis Carolina* (Yellow) are charming when combined in bouquets. Pkt., 20c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

7552 Bellamosum Improved. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

7564 Blackmore and Langdon Strain. A famous English strain. All the clear shades of blue, with bees of contrasting colors. Pkt., 35c.

7547 Cardinale. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.

Chinese. See page 33.

7523 Chinese Blue Mirror. 1½-2 ft. One of the few true bright navy-blue flowers. May be cultivated as an annual as well as perennial, and is suited for cutting or border. When grown in masses it makes an overwhelming impression. See novelty pages for colored illustration. Pkt., 125 seeds, 35c. Plants, 3 for \$1.00; doz., \$3.00.

7555 Indigo (True Blue). 3 ft. Pure indigo-blue, comes true from seed Pkt., 35c.

7542 Lamartine. It makes a sturdy, vigorous, healthy plant five feet tall which blooms from June until frost. The flowers are a rich, deep blue with a pure white eye. We have seen flower spikes of these gorgeous flowers over two feet in length. Perfectly hardy, easy to grow and succeeds everywhere. Seeds, pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

7555A Nudicaule. 1-1½ ft. April-July. Dwarf brilliant scarlet flowers. Seed very slow of germination. Pkt., 25c.

Pacific Hybrids. See Novelty page.

7569 Wrexham Hollyhock-Flowered Strain, Mixed. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, 1½ to 2 inches in diameter, many double.

PLANTS. Mixed Colors, 3 for \$1.15; doz., \$3.50; 100, \$25.00.

7569D Wrexham Art Shades.

Includes many pastel shades.

7569B —Light Blue Shades.

7569C —Mid-Blue Shades.

7569A —Deep Blue Shades.

Each of above, pkt., 50c.

7570 Vaughan's Gold Medal Hybrids. This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 25c.

7571 DELPHINIUM Vaughan's Special Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.



7569 DELPHINIUM Wrexham Hollyhock-Flowered Strain, Mixed. Pkt., 50c. Plants, 3 for \$1.15; Doz., \$3.50; 100, \$25.00.

Hardy Garden Pinks (Dianthus)

Culture: B, D or E, Page 67

In the rocky and in the border the Dianthus family is of value. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation.

7576 × Allwoodi Alpinus. 6 in. Flower first year from seed. It has single and semi-double flowers in all Dianthus colors. Is a perfect gem for the rock garden. Pkt., 50c.

7575 Allwoodi Mixed. The flowers are about 75 percent double and all colors except yellow. The single flowers have the advantage of making large clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c.

7579 × Arenarius (Sand Pink). 6 in. Flowers white, fringed, fragrant, forming a dense carpet. Pkt., 25c.

7578 × Atrococcineus (Everblooming Sweet William) Cruentus. 15-18 in. Crimson, semi to full double flowers. Pkt., 10c.

7579A Carthusianorum Giganteus. The tallest Dianthus we know, established plants bearing clustered blossoms of crimson pink opening from varnished mahogany buds on stems fully 40 inches. Pkt., 25c.

7580 × Caesius (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c.

7580A Delight. 9 in. It has a neat, erect habit of growth, continuously in flower from June until October, producing flowers about an inch in diameter, not in trusses, but in alternating spikes in great profusion. There is a bewildering range of colors from the palest pink to purple. Pkt., 35c.

7582 × Deltoides Brilliant (Maiden Pink). 8 in. Delicate pink blossom carried above fine, feathery foliage. Pkt., 25c.

7588 —Major Stern. A free-flowering form with bright crimson flowers and dark foliage. Pkt., 35c.

7583 × Graniticus. 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. Pkt., 25c.

7581 Knappii. A yellow "Hardy Pink," unusual color for this family. Clusters of clear golden yellow flowers above grassy green foliage. Pkt., 25c.

7631 Loveliness. The flowers have large lacinated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt. (25 seeds), 25c.

7587 Best Rock Garden Varieties, Mixed. Rock gardens now so popular need the low growing Dianthus to brighten spots and fill in crevices with its attractive flowers. Pkt., 25c.

7592 Winteri. The flowers are of pure colors; habit compact; flowers first year from seed, deliciously scented. Pkt., 50c.

PLUMARIUS (Clove or Grass Pinks)

Plumarius is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7591 × Albus Plenus. Double white. Pkt., 25c.

7620 × Double Mixed. Fine for cutting. Pkt., 10c.

7590 Cyclops Red Hybrids. A fine mixture of perpetual flowering red shades. Pkt., 25c.

7585 Highland Hybrids. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.

7605 × Nanus Fl. Pl. 1 ft. Double dwarf mixed. 15c.

7632 Scoticus Double Special Strain. Self colors of various tints of pink, rose, salmon and white and the same colors in combination with a bright crimson zone. Stems 12 to 15 inches. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609 × Spring Beauty. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7615 × Single Mixed. Delicately fringed. Pkt., 10c.

7625 × Vaughan's Special Mixture. A grand selection of Clove Pinks of the above *Plumarius* type and others. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.



DIANTHUS Little Joe

Little Joe. The most interesting recent Dianthus introduction. 3 inches high with blue spiny foliage; single, deep crimson flowers. Blooms heavily and continually from spring until frost. Disease resistant. 3 for \$1.50; doz., \$4.50.



7812 **GAILLARDIA** Burgundy. Pkt., 25c.



7855 **GEUM** Mrs. Bradshaw. Pkt., 25c.



7930 **HESPERIS** Purpurea. Sweet Rocket. Pkt., 10c.



8090 **IRIS** Kaempferi. Pkt., 25c.

Gaillardias ①

Culture: B, D or E, Page 67

For cheerful, long-lasting garden color, Gaillardias are indispensable. Groupings of them here and there in front of shrubs will provide patches of color for weeks and weeks. A rich light soil is essential and they require a sunny situation to do well.

7810 Grandiflora, Mixed. Composite flowers variegated with shades of red and yellow. Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.00.

7813 —Bremen. 2 ft. Splendid coppery scarlet, yellow tips. Blooms all summer. Pkt., 15c.

7812 —Burgundy. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.

7811 —Dazzler. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7817 —Goblin. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7836 —Portola Hybrids. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.

7831 —Tangerine. Compact grower. Large tangerine orange-colored flowers. Pkt., 25c.

7818 —The King. Special strain with enormous flowers, deep red, edged gold. Pkt., 25c.

7819 —Torchlight. Bright golden yellow flowers with a rich maroon center. Pkt., 15c.

7835 —New Hybrids. Large flowers in a variety of colors. Pkt., 25c.

Golden Goddess. True golden yellow, 4 inches in diameter. Prolific bloomer with long stems. Fine for cutting. Plants, 3 for \$1.50; doz., \$4.50.

Geum ①

Culture: B or C, D or E, Page 67

Geums are showy, producing a wealth of attractive flowers much prized for cutting. Excellent for border.

7851 × Borisii. An evergreen species with foliage rather prostrate and the branching flower stems 8 to 12 in. long. Orange scarlet flowers. Pkt., 25c.

7852 Lady Stratheden (Golden Ball). 2 ft. Flowers loosely double; a delightful shade of golden yellow. Pkt., 35c.

7855 Mrs. Bradshaw. 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Pkt., 25c.

7853 Orange Queen. 2 ft. Flowers large and semi-double, of a beautiful orange-scarlet. Pkt., 25c.

7854 Prince of Orange. This is a rich orange. Pkt., 25c.

7848 GILIA Coronopifolia (Ipomopsis Elegans Scarlet) (Standing Cypress). A biennial. Forms a low group of evergreen leaf plants the first year. The second it surprises one with its rapid growth and vivid scarlet flowers marching up its feathery green stem. Pkt., 15c.

Hesperis Matronalis ①

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 67

The fragrant flower-heads of these thrifty flowers, somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 Purpurea. Lilac. Pkt. 10c.

7935 —Alba. White. 10c. **7936 —Mixed.** 10c.

Grow Iris From Seed

Culture: A, B or C, Page 67

8090 Kaempferi. These grow easily from seed sown in either the spring or fall. Flowering plants are often produced the first year. They will thrive in well drained soil, but require plenty of water in the flowering season. Pool margins are a good location. Pkt., 25c.

8092 Siberian. This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Seed from our own nursery. Pkt., 15c. For Iris plants see Page 105.

8091 Dichotoma (August or Vesper Iris.) Fragrant flowers on tall branching sprays from July to September. Cream to violet-purple markings of various colors. Seed sown in early spring will germinate quickly, and a fair proportion will bloom the first summer. Pkt., 20c.



8015 **HOLLYHOCKS** Vaughan's Prize Double Mixture. Pkt., 10c. Plants, 3 for \$1.00.



7940 **HEUCHERA** Sanguinea. Pkt., 25c.

Hollyhocks ①

Culture: B, D or E, Page 67

Hollyhocks are most decorative and the great spikes of bloom are "Towers of Beauty" to the garden picture. Following Delphiniums in the border show, have a long season of bloom which can be prolonged by picking off faded flowers, and a second crop will come if the first stalks are cut back. Need well drained location.

Hollyhock rust can be overcome by treating the plant as a biennial, sowing the seed early one year for flowering the next, as it is a well known fact rust seldom attacks young plants.

Double Varieties

- | | |
|---|---------------------|
| 8001 Purple Robe. Deep purple. | 7980 Rose. |
| 7971 Colorado Sunset. | 7990 Salmon. |
| 7995 Crimson. | 7970 White. |
| 7972 Deep Salmon Red. | 7992 Yellow. |
| 7975 Maroon. | |
| 8004 Lilac Beauty. A clear bright lilac color. | |
| 8005 Newport Pink. The finest pure pink. | |

Each of above, pkt., 10c.

PLANTS. Mixed Colors, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

8008 Begonia Flowered Imperator, Mixed. Flowers with broad collar of frilled and fringed petals and double center rosette. Mixture containing many interesting, attractive combinations of colors. Pkt., 25c.

8015 Vaughan's Prize Double Mixture. Finest shades in perfect flowers. Pkt., 10c; ¼ oz., 40c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

8010 Allegheny Mixed. Flowers come single, semi-double and double, about 5 inches across. Pkt., 10c.

8007 Mixed "Souvenir de Madam Perrin." Semi-double flowers, notched or toothed at the edge in lovely shades of yellow and pink. Pkt., 25c.

8016 Vaughan's Special Mixture. This mixture is composed of all the best double varieties as well as two new French strains, not offered before. A most interesting combination. Pkt., 25c.

Single Varieties

More permanent and hardy than the double and if planted with a deep green background, such as arbovitae hedge, they afford a most striking effect.

- | | |
|---------------------|--------------------|
| 8045 White. | 8040 Rose. |
| 8051 Yellow. | 8020 Red. |
| 8050 Salmon. | 8030 Black. |
| 8025 Pink. | |

Each of the above, pkt., 10c

8055 **Mixed.** ¼ oz., 30c; pkt., 10c.

Heuchera (Coralbells) ①

Culture: B, D or E, Page 67

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Beautiful both in border and in rockery.

7940 Sanguinea. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c.

7943—New Hybrids Mixed. All shades of red and coral pink. Large flowers and free flowering. Pkt., 25c. Plants, 3, \$1.50; doz., \$4.50.

7944 Hoodacres Hybrids. These are the result of 14 years of selection. Very vigorous and prolific. The bells are much larger than other sorts. The bloom stalks are tall; some have the habit of blooming twice in a season. Wide range of color shades. Pkt., 35c. Plants, 3, \$1.50; doz., \$4.50.



8440 **PYRETHRUM Grandiflorum Single Mixed.** Pkt., 15c. Plants, 3 for \$1.00.

Pyrethrum Roseum

(Painted Daisy) May-June

Culture: B, D or E, Page 67

Their large flowers, well named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

8440 **Grandiflorum Single Mixed.** Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

8444 **Roseum Single Atro-Sanguineum.** Blood-red. Pkt., 15c.

8443 **—Rose.** Pkt., 15c.

8436 **James Kelway.** Rich velvety blood-red. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.

8438 **Robinson's Hybrids, Mixed.** A selection made by an English specialist, with a fine color range of single overlapping petals carried on long stiff stems. Pkt., 25c.

8438A **Robinson's Crimson.** The best red. Pkt., 25c.

8435 **Single Mixed.** Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

8430 **Double Mixed.** Extra choice, selected seed. Not all will be double the first year, but the doubleness will increase the second year. Pkt., 35c.

Various Pyrethrums

8427 **Cinerariaefolium.** 2 ft. Persian Insect Powder Plant, white, for cutting. Pkt., 15c.

8429 **Uliginosum.** A hardy and vigorous fall Daisy bearing large white flowers in September. Pkt., 15c.

8428A **Tchihatchewii (Turking Daisy).** Effective grass substitute or cover plant for dry soils and difficult places. This seed germinates readily if sown so it has a long exposure to cool soil conditions. Pkt., 25c.

Scabiosa

Culture: B, D or E, Page 67

They are in bloom from June to October, require little space and thrive in ordinary soil. The graceful flowers in delicate shades of blue and lavender are borne on long, erect stems and are a valuable cut flower.

8492 **House's New Giant Hybrids.** 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c.

8494A **Caucasica Vaughan's Special Mixture.** Large fringed and ruffled flowers from lavender to dark blue; some pure white. Pkt., 25c.

8494 **Columbaria Delicate Pink.** Flowers freely produced, of a deep rosy mauve. Not hardy in North. Pkt., 25c.

8496 **Fischeri.** 2½ ft. A long lived perennial, flower is 2½ in. of beautiful blue-purple. Pkt., 25c.

8496A **Webbiana.** Large fluffy flowers of pure true cream. June to November. Pkt., 20c.

8495 **Japonica.** 2 ft. Lavender-blue flowers. September to frost. Pkt., 10c.

Perennial Poppies

ICELAND or Nudicaule

12 to 18 in.

Culture: B, Page 67

Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off plants blossom all summer, and they usually bloom the first year from seed. 12 inches.

8269 **Alpine Mixed.** 6 in. A charming miniature with brilliant flowers, white, pink, apricot, yellow, orange-scarlet. Pkt., 35c.

8289 **Coonara Pinks.** Lovely flowers; pink, salmon pink and salmon shades. Pkt., 15c.

8272 **Cardinal.** This is a brilliant cardinal-red on long and strong stems. Cut in bud-stage, the flowers will keep for a long time. Pkt., 25c.

8291 **Gartford Giant Art Shades.** Exceptionally large flowers, fluted and carried on long wiry stems. The colors include lovely pastels. Pkt., 25c.

8281 **Yellow Wonder.** Buttercup yellow flowers on stems 25 in. long, heat and drought resisting. Pkt., 25c.

8292 **Empress.** 18-22 in. A companion to Emperor, even more nearly double, with delightful color range of salmon rose and pink tones. Pkt., 25c.

8288 **Gibson's New Giant Orange.** Fine deep orange. Pkt., 20c.

8286 **Sunbeams Mixed.** This is a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, and other tints. Pkt., 25c.

8279 **Vaughan's Special Iceland Poppy Mixture.** We have included in this all the newer varieties and older forms. Pkt., 25c.

8270 **Mixed.** Pkt., 10c.

ORIENTALE (Oriental Poppy) 3 ft. May-June These gorgeous spring flowers, often six inches across, of vivid coloring may be left undisturbed for years. They are beautiful with the tall bearded Iris.

8307 **Beauty of Livermere.** Finest dark crimson. Pkt., 25c.

8308 **Mahoney.** Maroon, shaded crimson. Pkt., 15c.

8309 **Mrs. Perry.** Delicate salmon-rose, black base. Pkt., 25c.

8306 **Perry's White.** 2½ ft. Large, handsome satiny white flowers with purple-black base. Pkt., 25c.

8305 **Princess Victoria Louise.** Large flowers, soft lilac-rose color. Pkt., 15c.

8310 **Red.** Very striking color. Pkt., 10c.

8313 **Named New Varieties Mixed.** Seed collected from a field of the newer named sorts. Pkt., 25c.

8314 **Vaughan's Special Mixture.** Pkt., 25c.



8293 **POPPY Iceland Emperor.** 18-22 in. Finest giant orange variety, of distinct new form, with broad overlapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed. Pkt., 25c.



8313 **POPPY Oriental Named New Varieties Mixed.** Pkt., 25c.



8490 **SCABIOSA Caucasica Perfecta.** Seeds, pkt., 15c. Plants, 3 for \$1.15.

8490 **Caucasica Perfecta.** 18 in. Light blue flowers prettily fringed on long stem; fine for cutting. June-October. Pkt., 15c. Plants, 3 for \$1.15; doz., \$3.50; 100, \$25.00.

8491 **—Alba.** Pure white, comes true. Pkt., 25c.

PLANTS OF ORIENTAL POPPIES

Cavalier. Strong and free blooming. Crinkly flowers are deep scarlet red. Plants, each, 65c; 3 for \$1.75; doz., \$5.25.

Wunderkind. Enormous carmine pink, vigorous growth. Plants, each, 65c; 3 for \$1.75; doz., \$5.25.

Jeannie Mawson. 2½ ft. Charming Geranium pink, large flowers on stiff stems. Plants, 3 for \$1.25; doz., \$3.75.

Joyce. 4 ft. A tall cherry-red Poppy of medium size. Plants, 3 for \$1.00; doz., \$3.00.

Mrs. Perry. Delicate salmon-rose, black base. Plants, 3 for \$1.25; doz., \$3.75.

Perry's White. 2½ ft. Large handsome satiny white flowers with purple-black base. Plants, 3 for \$1.25; doz., \$3.75.

Salmon Glow. Tall, dark salmon pink. Double. Plants, each, 65c; 3 for \$1.75; doz., \$5.25.

Olympia. Double rich scarlet. Very early and free blooming. Plants, 3 for \$1.25; doz., \$3.75.

Royal Scarlet. Old-fashioned scarlet Oriental Poppy. Plants, 3 for 85c; doz., \$2.50.

Additional Perennial Seeds and Plants

For Additional Perennial Seeds and Plants See Also Pages 52 to 56 Inclusive, and Back Cover.

NOTE—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted below, or they will be sent express at buyer's expense.



ACHILLEA, The Pearl

Achillea (Yarrow) ①

Culture: B, D or E, Page 67

Achilleas grow readily from seed in sunny, well-drained positions, except the varieties marked X, which should have rock garden conditions. They are fine border flowers, and several are excellent for cutting.

7007 X Ageratum. 1 to 2 ft. A pretty Alpine of compact habit, with leaves like Ageratum. Yellow, sweet-scented. Pkt., 15c.

7008 Eupatorium Filipendula, Parker's Variety. 3 to 5 ft. June-Sept. Clear yellow flower-heads. May be dried for winter bouquets. Pkt., 15c.

7010 The Pearl. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c.

7013 X Tomentosa Aurea. 8-10 in. A woolly carpet-like plant for rockeries. Pkt., 15c.

7037 X AETHIONEMA Cordifolium (Lebanon Candytuft). 6-8 in. June. Rosy lilac. Pkt., 50c.

7053 ALLIUM Ruby. An Allium of attractive color, particularly useful where there is a foliage background. The flowers are in umbels about one inch in diameter and maroon red in color. Stems about 18 to 24 in. Blooms in July. Leaves rather small and few in number and extend up the stem about a third of its length. Pkt., 25c.

Agatheia ①

Culture: D, E or C, Page 67

7040 Coelestis (Blue Daisy). 1½ ft. June. Flowers sky-blue with yellow disc. Useful in the border, for bedding and as a pot plant; half hardy. Pkt., 10c.

Alyssum (Madwort) ①

Culture: B, D or E, Page 67

Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7054 X Argenteum. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 X Saxatile Compactum (Basket of Gold). 9 in. Almost as soon as winter is over Alyssum Saxatile Compactum becomes a mass of yellow gold; a fine companion to spring bulb flowers. Pkt., 10c.

7056 X—Compactum Sulphureum. Lovely pale lemon colored flowers. Very effective with lavender or pink Tulips. Pkt., 15c.

7058 Rostratum. 20 inches. Flowers deep yellow in dense heads. Pkt., 25c.

7059 X Serpyllifolium (Alpestre) Thyme-leaved. 3-4 in. Gray leaves, pale yellow flowers, excellent for dry, sunny positions. Pkt., 15c.

It is fascinating to grow your own perennials from seed. We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of midsummer, and the long growing season produces larger plants that winter over more successfully. The majority of these perennials bloom the second year from seed, although some, like Coreopsis and Gaillardia, if sown early, bloom the first year. Plants can be raised in beds and transplanted, or the seed may be planted directly in your perennial garden. The great charm of perennials lies in their permanence; once established they are a constant source of pleasure.

Plants by Parcel Post

If to be sent by parcel post, add postage as follows: 3 plants, 12c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

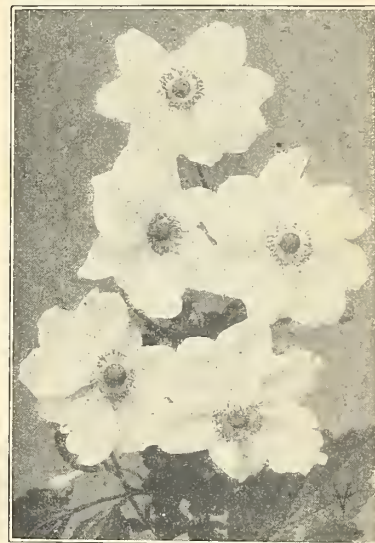
Special Mixture of Annuals for Cut Flowers

Culture: A or B, Page 67

No. 1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has, the secret being not to allow any seed pods to form. ¼ lb., \$1.50; oz., 50c; ½ oz., 30c; pkt., 15c.



ACONITUM (Monkshood)



TYPE OF ANEMONE Japonica

Anemone (Windflower) ①

Culture: B, C, D or E, Page 67

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Some varieties flower in the spring, and others are among the most beautiful of fall flowering perennials.

7080 X Coronaria St. Brigid's Strain. May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7077 —His Excellency. Large single scarlet. 25c.

7079 —Syphide Blue. Light purple. Pkt., 15c.

7090 X Pulsatilla (Pasque Flower). 1 ft. April-May. Flowers varying from lilac to purple. Pkt., 10c.

7095 X Pulsatilla Rubra. 6 to 9 in. April-May. Handsome dark red erect flowers. Pkt., 15c.

7100 X Sylvestris (Snowdrop Windflower). 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. Pkt., 15c.

ANEMONE (Windflower). 2 to 3 ft. Blooms freely from late August till severe frosts. One of the most important fall garden plants. They prefer shade, moisture, a fertile and well drained location. Protect in winter. When once established they should not be disturbed.

Japonica Alba. White, yellow center.

—Hupehensis. Rose-pink.

—Queen Charlotte. La France pink, semi-double.

—Whirlwind. Full double white.

Plants, any of above, 3 for \$1.15; doz., \$3.50; 100, \$25.00.

Anemone Japonica Collection No. 81
One plant each of 4 varieties, for \$1.25.

Aconitum (Monkshood) ①

Culture: C, Page 67

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 Barker's Variety. This variety is more vigorous than others, but its outstanding merit is the branching habit of the flower spike. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

7025 Wilsoni. 6-7 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.



ANTHEMIS Tinctoria

Anthemis (Marguerite) ①

Culture: B, D or E, Page 67

Free-flowering perennials with attractive cut foliage and large Daisy-like flowers. Need full sun.

7110 Kelwayi. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7112 Sancta Johannis. 1½ ft. Clear golden yellow flowers. Pkt., 25c.

7114 Tinctoria, Perry's Variety. 2 ft. Large lemon-yellow Daisies, in bloom all summer. Pkt., 25c.

Moonlight. Fine pale yellow Anthemis, excellent for cutting. Plants keep within bounds. Plants, 3 for \$1.15; doz., \$3.50.

Agrostemma ①

Culture: E, D or C, Page 67

7045 X Coronaria Varieties Mixed. 1 to 2 ft. June-Sept. Attractive free flowering, producing bright-colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. Pkt., 10c.

Culture: B, D or E, Page 67

7061 AMSONIA Tabernaemontana. ① 2-3 ft. Free flowering perennial, long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Especially good for cutting and hardy border. Pkt., 25c.

ARTEMISIA Silver King. A white-leaved contrast plant. May be cut for use in winter bouquets. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Asclepias (Butterfly Weed) ①

Culture: B, D or E, Page 67

7220 Tuberosa. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers with purplish stems and hairy leaves. Seed pods if gathered just as they begin to open and brought into the house and placed in a vase, soon open and develop into an attractive everlasting. Pkt., 15c.

Aubrietia ①

Culture: B, D or E, Page 67

One of the daintiest and most delicately beautiful of all dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

7231A Deltoidea. Lilac. Pkt., 25c.

7231B Eyrii. Fine large blue. Pkt., 25c.

7232 X Graeca. Light blue, dwarf. Pkt., 25c.

7233 X Leichtlinii. Large-flowered, rosy lilac. 25c.

7233A Rosa Grandiflora. Pkt., 25c.

7230 X Large-Flowered Hybrids, Mixed. A wonderfully fine strain, good range of colors. Pkt., 25c.

New Hardy Asters ①

Illustrated in Color on Inside Back Cover.

Culture: B, D or E, Page 67

If you have ever seen the glorious effects of a mass planting of these hardy perennial Asters, you will not fail to make a planting of them in your garden. They are among the showiest of our late flowering hardy plants, giving a wealth of bloom in late summer and fall, a season when most other perennials are past blooming. They grow from two to five feet high according to the variety, blooming profusely over the entire plant. For best effect they should be planted in masses of one color.

Three New Dwarf Asters, \$1.15.

One each of the varieties listed below:

Extremely showy in full bloom and a welcome addition.

X **Countess of Dudley.** 1 ft. Oct. Charming clear pink flowers with yellow eye.

X **Victor.** 6 in. Sept. The flowers are of good size and of a beautiful clear pale lavender blue.

X **Snowsprite.** 6 in. Sept. Very dwarf growth hidden by a solid mass of white bloom.

Any of above New Dwarf Asters: Plants, 3 for \$1.15; doz., \$3.50; 100, \$25.00.

DWARF ALPINES

7226A Alpinus Albus. Pure white. 1 ft. 25c.

Wartburg Star (Star of Eisenach). May. A bright lavender-blue giant-flowered subcoruleus type. Plants, 3 for \$1.15; doz., \$3.50; 100, \$25.00.

7224 Amellus Hybridus. 2½ ft. New named varieties, finest mixed. Pkt., 25c.

7225A Parmicoides. 15 inches. A desirable species quite unlike any other. White flowers in wide flat, close set clusters. Pkt., 25c.

7228A Spectabilis. 24 in. Showy Aster, Lovely deep blue blossoms of quite surprising size. It is very effective. Pkt., 25c.

7223 Hybridus Luteus. Giant sprays of primrose yellow. Pkt., 25c.

7229 Farreri. June-July. Soft violet-mauve, with large orange center, flowers 2 to 3 inches across. Blooms in June and July. Pkt., 25c.

7225 Perennial, Large-Flowering Mixed. 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

MICHAELMAS DAISIES—See inside back cover.

Boltonia (False Chamomile) ①

Culture: B, D or E, Page 67

They are among the relatively few fall flowering perennials, and are effective as background plants. They bear small star-flowers in large clusters.

7250 Latisquama. 4-5 ft. July-Oct. Delicate pink. Pkt., 15c.

7435 X CERASTIUM Tomentosum ① (Snow in Summer). 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.

Centaurea ①

(Hardheads, Knapweed)

Culture: B, D or E, Page 67

The flower-heads are like showy, ragged Thistle blooms.

7425 Macrocephala. 3 ft. During July and Aug., its stiff upright stalks are topped with radiant yellow Thistle-like blooms. Flowers often 4 in. across. Fine for background. Pkt., 10c.

7430 Montana Blue. 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual Cornflower. Pkt., 10c.

7428 Hardy Perennial Mixed. A mixture of thirty hardy Centaureas. A real treat in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Pkt., 15c.

Excelsior, Minn., June 22, 1942

"I have had superior results growing from seed. Your Golden Ball Matricaria, mixed Digitalis, mixed Pinks and Blue Aquilegia." Mrs. C. S. McM.



ARMERIA Giant Pink

Armeria (Thrift, Sea Pink) ①

Culture: B, D or E, Page 67

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

7205 X Alpina. 3 in. July. Deep rose. Pkt., 10c.

7206 Glory of Holland Giant Pink. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems of 24 inches height, in large profusion all summer. Fine for cutting. Pkt., 25c.

7218 X Laucheana. 6 in. June-Aug. Crimson. P. t., 10c.

Blackberry Lily or ①

LEOPARD FLOWER

Culture: B, D or E, Page 67

7243 3 to 4 ft. A perennial of easy culture in rich sandy loam in a sunny spot. Flowers orange spotted red. Seed stalks may be used in winter bouquets, are clusters of shining black seeds. Pkt., 10c.



BAPTISIA Australis

Baptisia ①

Culture: B, C, D or E, Page 67

7235 Australis (False Indigo). Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves and Lupin-like blue flowers in June and July Pkt., 10c.



BOCCONIA (Plume Poppy)

Bocconia × ①

Culture: B, D or E, Page 67

7240 Cordata (Plume Poppy). 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. Pkt., 10c.



BUDDLEIA (Butterfly Bush)

Buddleia (Butterfly Bush) ①

A small shrub bearing exquisite tapering spikes of fragrant flowers; requires same protection as Roses during winter. The top usually freezes back, and new growth starts from the root, like other perennials.

Royal Red. A new rich dazzling red, different from any preceding variety. Plants, 75c; 2 for \$1.25.

Four Fine Buddleias, \$1.65

ONE EACH OF POT PLANTS LISTED BELOW

Charming. Light rose pink. Fast grower.

Dubonnet. An entirely new shade. The popular Dubonnet wine color.

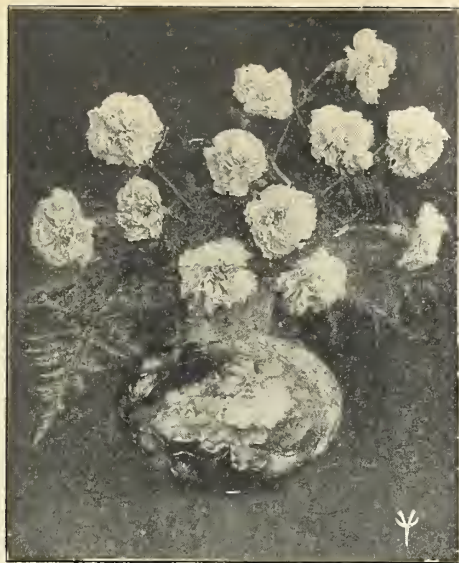
Hartwegi. Pure lilac, excellent cut flower.

Ile de France. 3 to 6 ft. July-Sept. Large trusses of rich, rosy violet-purple, fragrant.

Above varieties, 3 for \$1.50; doz., \$4.50.

7255 CACTUS Opuntia. Hardy Varieties

Mixed. A mixture of these interesting plants which will survive the winter outside. Pkt., 25c



CARNATION

Carnation ①

Culture: B, D or E, Page 67

GRENADIN

A valuable bedding variety with double flowers, blooming first year from seed if sown early. 20 in.

7390 King of the Blacks. Darkest red, very fine. Pkt., 25c.

7398 Golden Sun. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 Scarlet. Pkt., 25c.

7385 Triumph, Rose. Pkt., 25c.

7400 White. Pkt., 25c.

7401 Mixed. Pkt., 25c.



Coreopsis ①

Culture: B, D or E, Page 67

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer.

7495 Lanceolata Grandiflora. 2 ft. June-October. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c.

7494 Mayfield Giants. Australian origin. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms of which the ray petals are broader. Pkt., 20c.

7493 Double Sunburst. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c. Plants, 3 for \$1.15; doz., \$3.50.



SHASTA DAISIES Alaska

Shasta Daisies ①

Culture: B, D or E, Page 67

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seed.

7500 Alaska. 2-2½ feet. Splendid for cutting. Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.00.

Diener's New Giant Everblooming G. Marconi. See Novelty Pages.

Diener's Fancy Chiffon Glendale. See Novelty Pages.

7502 Elder Daisy. 2 ft. May. A popular variety for early cutting and border. Pkt., 15c.

Giant Double. See Novelty Pages.

7462 Maximum Conqueror. June, 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

7460 —King Edward VII. 2½ feet. Very large flowers on stout stems. Pkt., 10c.

7448 —Mrs. C. Lothian Bell. Large flowers on long stems. Pkt., 15c.

Esther Reed. Snow-white flowers, completely double and everblooming in habit. Stiff stems, excellent for border and cutting. Each, 65c; 3 for \$1.75; doz., \$5.25.

7376 CASSIA Marylandica. ① 4 ft. Yellow. 10c.

7377 CATANANCHE Coerulea. ① 2 ft. Blue. Pkt., 10c.

7256 × CALLIRHOE Involucrata ① (Poppy Mallow). Crimson. Pkt., 15c.

CLEMATIS Jackmanii. See Climbing Vines.

Cheiranthus ①

Culture: B, D or E, Page 67

A hardy perennial which blossoms the first year from seed. Sow in late summer, autumn or spring.

1609 Kewensis. Winter-blooming Wallflower. Fragrant flowers, sulphur passing to gold and violet. 30 in. Pkt., 10c.

1611 Linifolius. Lilac, 18 in. Pkt., 10c.

For Allioni and Golden Bedder see Annual Pages.

SEEDS GERMINATE SLOWLY AND IRREGULARLY

The following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Aconitum, Adonis Vernalis, Anemone, Clematis, Cimicifuga, Delphinium Cardinale, Delphinium Zail, Delphinium Nudicaule, Dictamnus, Dielytra, Gentiana Acaulis, Incarvillea, Iris, Peony, Phlox Decussata, Hardy Primulas, Trollius.



DICTAMNUS Fraxinella (Gas Plant)

Dictamnus (Gas Plant) ①

Culture: B or C, Page 67

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved.

7790 Fraxinella. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c. Plants, 3 for \$1.15; doz., \$3.50.

7795 —Albus. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c. Plants, 3 for \$1.15; doz., \$3.50.

Doronicum (Leopard's Bane) ①

Culture: B or C, Page 67

Showy spring flowering perennials belonging to the Daisy order. Their yellow Marguerite flowers are invaluable for cutting. Seed germinates slowly.

7777 Caucasicum. 1½ ft. A showy border plant with large heads of yellow flowers. Spring. Pkt., 50c.

Echinacea (Coneflower) ①

Culture: B, D or E, Page 67

Stout perennials for the border or wild garden. Flowers in July-Aug., good cut flowers.

7785 Purpurea (Purple Coneflower). 3-4 ft. A handsome border plant; purple flowers. Pkt., 15c.

7788 ECHINOPS Ritro (Globe Thistle). ① 3-4 ft. Steel-blue flower-heads, round like a ball, covered with needle-like spines. Pkt., 10c.

7791 X EDELWEISS Leontopodium Alpinum. ① 4-12 in. June-July. The flowers white and star-shaped. Both leaves and flowers are woolly. Pkt., 25c.

Euphorbia ①

Culture: B, D or E, Page 67

7807 Corollata (Wild Baby's Breath). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila but the flowers are larger and more pronouncedly white, a cloud of small white stars, indescribably delicate and airy. Valuable for bouquets. Will bear anything in the way of drought or neglect. Leaves turn a rich wine color in fall. Pkt., 25c.

7808 X Myrsinites. 3 in. June-July. Distinct gray trailer, large heads of yellow flowers. Pkt., 25c.

7806 X Polychroma (Mountain of Gold). 18 in. June and July. Bright yellow flowers changing to rosy bronze. Pkt., 25c.

Gerbera (Transvaal Daisy) ①

Culture: D or E, Page 67

7846 Jamesoni Hybrids (Flowerland Strain). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Seed should be sown singly, point up; cover lightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location, protect from rain in summer in the open. Needs protection over winter. Pkt. (25 seeds), 25c.

Eryngium (Sea Holly) ①

Page 67

Culture: C (April-July), Set out Aug.-Oct.

Handsome ornamental plants for flower and shrubbery borders. Flowers July to Sept. The leaves are prickly, flower heads are surrounded by spreading prickly floral bracts and the flower head itself is a small Teasel. The branches can be dried and the flowers used in winter bouquets.

7793 Amethystinum 1½-3 ft. Fine foliage with bluish-green shoots terminating in numerous amethyst-blue thistle-like flowers. Pkt., 25c.

7795 Planum. 2-3 ft. Small steel-blue globular flowers; graceful decorative plant. Pkt., 20c.

7798 X ERINUS Alpinus. ① 4 in. May-June. Purple flowers, good for flagging. Pkt., 25c.

Helianthemum ①

Culture: C (April-July), Page 67 Set out Aug.-Oct.

7906 X Mutabile (Rock Rose). 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Pkt., 15c.



DORONICUM

Helianthus (Hardy Sunflower) ①

Culture: B, D or E, Page 67

Hardy, perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting.

7905 Perennial Varieties, Mixed. Pkt., 15c.

Multiflorus Plenus. Double golden yellow Chrysanthemum-like flowers. Aug.-Sept. 4 ft. tall. Plants, 3 for \$1.00; doz., \$3.50.

7904 Orgyalis (Willow-leaved Sunflower). Stems densely clothed with whorls of finely cut graceful foliage and bearing numerous heads of bright yellow flowers with black central disc, in fall. 7 ft. Pkt., 15c.

Helenium (Sneezewort) ①

Culture: B, D or E, Page 67

To register masses of color in the border background, the Heleniums and other members of the Sunflower family are most useful. They grow easily from seed and spread rapidly. Autumn flowering varieties are especially valued for contributing autumn color.

7880 Bigelowii. 2 ft. Light yellow flowers borne from July to September. Pkt., 10c.

7885 Hoopesii. 1-3 ft. June. Rich orange-yellow with slightly drooping rays. Pkt., 10c.

7890 Riverton Gem. 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Pkt., 25c. Plants, 3 for \$1.50; doz., \$4.50.

Riverton Beauty. 4-5 ft. Rich lemon-yellow with a large purplish cone. Aug.-Sept. Plants, 3 for \$1.50; doz., \$4.50.



GYPHOPHILA Paniculata Double Baby's Breath

Gypsophila (Baby's Breath) ①

Culture: A, B, D or E, Page 67

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets. Dried flowers can be made to look again like fresh ones by wrapping the dried blooms in a moist towel half a day in a cool place.

7864 Acutifolia. 3 ft. Pretty, useful species, flowers pale pink. Pkt., 15c.

7866 Oldhamiana. 3 ft. The light little buds are first almost white, but open a lively shade of pink that tends to darken as the flowers mature. Each individual flower measures slightly more than one-quarter of an inch in diameter and possesses a white throat. The flowers are fragrant. Pkt., 25c.

7867 Pacifica. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

Paniculata Bristol Fairy (Double Baby's

Breath). Early double pure white large flowering perennial Baby's Breath. It is a new form, blooming much earlier than Paniculata fl. pl., and producing a second crop of spikes after the first have been cut. Plants, 65c each; 3 for \$1.75; doz., \$5.50.

Bodgeri. Dwarf double white. Plants, 3 for \$1.25; doz., \$3.75.

Flamingo. Double pink Baby's Breath. Companion to above in habit and growth. Light pink early in season—dark pink in cooler weather. Each, 75c; 3 for \$2.00; doz., \$7.50.

Rosenschleier (Rosy Veil). Dwarf, double pink. Plants, 3 for \$1.25; doz., \$3.75.

7860 Paniculata Double Snow White. A great improvement on the single-flowered type and more lasting. 2-3 ft. July-August. Pkt., 25c.

7865 —(Baby's Breath). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.00.

7863 X Repens Rosea. 6 in. Attractive dwarf pink. Pkt., 15c.

7862 X Repens Dwarf White. Pkt., 15c.

Luddington, Michigan.

"Last spring I ordered a variety of different seeds from your firm—Zinnias, Cosmos, Phlox and several other varieties. I want you to know how pleased I was with my garden. I had the most gorgeous display of flowers that bloomed continually until late fall. Flowers of all colors which I shared with friends and enjoyed fresh cut flowers for my own home."

March 30, 1942.

Mrs. J. E. A.



HIBISCUS (Rose Mallow)

Hibiscus (Rose Mallow) ①

(3 to 5 Feet)

Culture: B, D or E, Page 67

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Aug.-Sept.

1945 Crimson Eye. Creamy white flowers, large crimson center. Pkt., 10c.

1950 Golden Bowl. Deep cream, with a velvety maroon center. Pkt., 10c.

Jumbo Red. Plants, 3 for \$1.15; doz., \$3.50. Seeds, see Novelty Pages.

1960 Mallow Marvels, Mixed. Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.00.

1965 —Red. Pkt., 15c.

1966 —Pink. Pkt., 15c.

Heliopsis (Orange Sunflower) ①

Culture: A, B, D or E, Page 67

A very brilliant border plant, resembling a double sunflower; an excellent cut flower.

Golden Rays. A long summer's crop of semi-double golden yellow flowers. Has extremely large flowers with two rows of incised petals. 3 for \$1.50; doz., \$4.50.

1909 Lemoine Strain. Double golden yellow. Blooms first year from seed. Pkt., 15c.

1910 Pitcheriana. 3 to 4 ft. high. Golden yellow flowers 2 inches in diameter; blooms all summer. Pkt., 25c.



HOSTA (Funkia or Day Lily).

Subcordata Grandiflora. Plants, 3 for \$1.25; doz., \$3.75.



HEMEROCALLIS Yellow Day Lily.

Newest Hemerocallis

(Yellow Day Lily)

New Hybrid Hemerocallis have become dominant summer border flowers. Taller, with larger flowers and new colors, they are as vigorous and free flowering as the older varieties.

5 New Hemerocallis \$2.10

(Cat. Value, \$3.10)

One each of the following:

Margaret Perry. July. Dark scarlet-orange with yellow markings. Each, 60c; 3 for \$1.50.

Mikado. June. Large deep orange with maroon transverse blotches. Each, 65c; 3 for \$1.75.

Calypso. 3½ ft. July. Large lemon yellow. Night bloomer. Each, 50c; 3 for \$1.25.

Ophir. 4 ft. July. Giant golden yellow. Each, 60c; 3 for \$1.50.

Hyperion. July-Aug. Outstanding large citron yellow. Each, 75c; 3 for \$2.00.

OTHER VARIETIES

Cinnabar. July-August. Light bronzy red suffused gold. Each, 60c; 3 for \$1.50.

Mrs. W. H. Wyman. 4 ft. Early August. Lovely lemon yellow. Each, 65c; 3 for \$1.75.

Serenade. June-July. Pastel shade. Each, 75c; 3 for \$2.00.

Lemona. July-August. Lemon yellow. Each, 60c; 3 for \$1.50.

D. D. Wyman. 2½ ft. July-August. Tawny golden yellow. Each, 60c; 3 for \$1.50.

Kwanso Fl. Pl. 3 ft. July-August. Orange-shaded crimson double. 3 for \$1.25.

Sovereign. 2 ft. May-June. Soft chrome-yellow, shaded brown on the outside, fragrant. 3 for \$1.25.

Thunbergi. 3 ft. July. Fragrant golden yellow. 3 for \$1.25.

Hosta (Funkia or Day Lily) ①

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty Lily-like flowers in terminal racemes, 1½-2 ft. July-Aug. Effective in front of shrubbery, under trees, or any shady position.

Coerulea (Lanceolata). 1 ft. Dark blue. Plants, 3 for \$1.00; doz., \$3.00.

Fortunei Robusta. Unusually large blue-green foliage. Flowers are white, shaded a light lilac blue. A novelty of real value. Plants, 65c; 3 for \$1.50.

Japonica Aurea Marginata. 1 ft. Aug. Mauve. Plants, 3 for \$1.25; doz., \$3.75.

Subcordata Grandiflora. Flowers white, large green leaves. One of the best perennials for shade. Plants, 3 for \$1.25; doz., \$3.75.

Variegata. Good edging plant, leaves white and green. Plants, 3 for \$1.00; doz., \$3.50.



LATHYRUS LATIFOLIUS

Lathyrus Latifolius ①

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 67

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer, if seed pods are removed.

8100 Pink Beauty. Pale pink variety. Pkt., 10c.

8105 Rubra. Bright rosy crimson. Pkt., 10c.

8110 White Pearl. Large white. Pkt., 10c.

8115 Mixed. The above colors. Pkt., 10c.



LINARIA

Linaria (Toad Flax) ①

Culture: A, B, D or E, Page 67

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

8120 X Cymbalaria (Kenilworth Ivy). 3 in. Dainty lilac and orange, trailing habit. Pkt., 10c.

8121 Macedonica Speciosa. 36 in. Creamy white. Pkt., 15c.

Lavender (Lavendula) ①

Culture: B, D or E, Page 67

Delightfully fragrant flowers, much used when dry on account of their sweet odor. Prefers warm, dry soil. Favorite for centuries.

8117 X Munstead Strain. 1 ft. A most valuable variety. A month earlier than the common Lavender. Pkt., 25c.



LUNARIA

For Winter Bouquets ①

Culture: B, D or E, Page 67

- 8150 LUNARIA Biennis Annua (Honesty or St. Peter's Penny).** Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Pkt., 10c.

Linum (Flax) 12 to 18 in. ①

Culture: C, Page 67

The foliage and flower present the appearance of a small feathery bush. The flowers are borne in great numbers from May through September.

- 8126 X Alpinum.** 4 in. Purple, blotched orange. Pkt., 25c.
8140 Flavum. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.
8141 —Compactum Nanum. A glowing golden yellow, blooms for months and if cut back gives a fall crop. Pkt., 25c.
8127 Narbonense Heavenly Blue. The flowers are twice as large as the common Linum Perenn. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.
8124 Narbonense. Forms a spreading clump of azure-blue flowers with white eye. Pkt., 25c.
8123 Lewisii. 2½ ft. A robust species with arching sprays of fragrant blue flowers with pale blotches. Pkt., 25c.
8125 Perenne Blue. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.00.
8135 —Mixed. Blue and White. Pkt., 10c.

Iberis (Perennial Candytuft) ①

Culture: A, B, D or E, Page 67

Dwarf evergreen plants, 6 to 10 in. Covered with dwarfs in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

- 8075 X Gibraltarica.** Pinkish white. Pkt., 10c.
8078 Queen of Italy. Dwarf bushes covered with large pink blooms. Pkt., 10c.
8080 X Sempervirens. Sheet of white. Pkt., 25c.

Incarvillea (Hardy Gloxinia) ①

Culture: B or C, Page 67

Large rich rose Begonia-like flowers with deep yellow throats, produced all through the summer. A hardy perennial which succeeds well in borders and is equally valuable for greenhouse decoration.

- 8087 Grandiflora Brevipes.** 2 ft. Large flowers, bright deep rose. Very handsome. Easily grown. Pkt., 25c.

Isatis (Golden Gypsophila)

Culture: B, or C, Page 67

- 8094 Glauc.** 3 ft. Graceful plant with glaucous green leaves with a white mid-rib. Belongs to Wallflower family, yellow flowers borne in terminal panicles in July and August. Pkt., 10c.



LUPINUS Polyphyllus

Lupinus Polyphyllus ①

Culture: A, B, D or E, Page 67

Inoculate Lupin seeds with Nitragin. Two garden sizes, 10c and 25c. Chill seed before sowing.

- 8170 Albus.** Large, pure white spikes. Pkt., 10c.
8165 Blue. Stately spikes of blue. Pkt., 10c.
8174 Downer's Hybrids. Perpetual flowering new hybrids. Pkt., 25c.
8173 Harkness' Regal Mixture. Charming new colors. Pkt., 15c.
8176 Lavender Queen. Lavender tinted pink. 15c.
8175 Roseus. 4 ft. Light and dark rose. Pkt., 10c.

8171A "Russell," Re-selected Strain. These remarkable Lupins are often 3½ ft. in length. The coloring has an enormous range and unique character. Flowers in 4 months from sowing. Gold Medal award by the R. H. S. Pkt., 50c.

8171 "Russell" (Grown from originator's stock seed). A fine collection. Pkt., 25c.

Famous Russell Strain. Mixed colors, strong, blooming size. Plants, 3 for \$1.00; doz., \$3.00.

- 8178 Sunshine (Arboreus or Treetype).** Sweet scented, golden yellow, 30 in. Pkt., 15c.
8182 Six Hills Scented Mixed. Fragrant, great range of color. Pkt., 15c.
8179 Vaughan's Special Mixture. This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.00.

Liatris ①

(Kansas Gay Feather)

Culture: B, D or E, Page 67

- 8118A Pycnostachya.** 4 to 5 ft. Flowers purple in spikes, which bloom a long time. Excellent for the border. July-Aug. Pkt., 25c.
8118 Spicata (Button Snakeroot). 2 to 3 feet. Purple flowers. July-Sept. Pkt., 10c.
8119 Scariosa. Rare North American species. Crowded spikes of rosy purple flowers. Pkt., 15c.
8117B Scariosa Alba. 2½ ft. The stems branch freely, and the flowers are attractive white pompons thickly studding each stem. The top buds open first and then the others gradually down the stem. Valuable as garden and cut flower. Pkt., 35c.

- 8220 LYTHRUM Roseum Superbum. ①** 4 ft. Rose-pink. Pkt., 10c.



LOBELIA Cardinalis

Lobelia ①

Culture: B, C, D or E, Page 67

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

- 8145 Cardinalis (Cardinal Flower).** 2 ft. Ju Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Pkt., 10c.
8146 Syphilitica. 3 ft. Aug.-Sept. Fine spikes of blue flowers. Pkt., 15c.

Lilies from Seed ①

Many Lilies are easily grown from seed, and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lilies, if requested. You will find it fascinating.

- 8156C Concolor.** Especially adapted to rockeries. Flowers upright, starlike, deep vermilion. Ju 6 to 18 inches. Pkt. (50 seeds), 25c.
8158A Longiflorum Praecox White Queen. Produces long trumpet-shaped flowers of clear white. Pkt., 25c.
8162 Regale (The Royal Lily). 3½ ft. The flowers are white, slightly suffused with pink on base of petals. Fragrant. Blooms out-of-doors early July, and seedling bulbs will flower the second year. Pkt., 15c.
8163 Tenuifolium (Coral Lily of Siberia). It is gem, perfectly hardy. One of the earliest to flower, 24 in. high with the flowers up and down on stems. Blooms are deep scarlet and have recurved petals, waxy texture. Pkt., 25c.
8164A Mixture of Hardy Lilies. Pkt., 25c.

Monarda ①

(Bergamot or Bee Balm)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colorful bracts, and fragrant foliage; good for bees. San loam and sunny position. Fine for masses.

- Didyma.** 3 ft. June-Sept. Brilliant scarlet. Plants, 3 for \$1.00; doz., \$3.00.

Didyma Rosalie. A very beautiful Monarda, with heads of flowers of a soft clear pink. Grows to height of 3 feet. 3 for \$1.00; doz., \$3.00.

Nepeta (Mauve Catnip) ①

Culture: B, D or E, Page 67

Neat bushes covered with lavender-blue flowers; bracts and flowers aromatic.

- 8254 X Mussini.** 1 ft. May-Sept. Light blue. Pkt., 25c.

8259 Native Wild Flower Mixture.

Seeds of more than 100 different species, carefully collected in the field, are included. All are American, and all are collected in the temperate zone. There are few annuals, the rest hardy perennials. For sowing in woodlands, naturalistic borders, and wild flower gardens. ½ oz., 50c. Pkt., 25c.



LYCHNIS Chalcedonica

Lychnis ①

Culture: B, D or E, Page 67

A fine old-fashioned flower that livens up the border during summer and early autumn.

- 1200 X **Alpina**. 4 in. April. Close tufts, olive-green foliage. Clusters of rose flowers. Pkt., 20c.
- 1189 **Arkwrightii**. 2 to 3 ft. Magnificent hybrid of Chalcedonica and Haageana. Salmon-rose to flaming scarlet and dark carmine. Pkt., 25c.
- 1190 **Chalcedonica (Maltese Cross)**. 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.
- 1196 — **Salmon Queen**. 3 ft. Salmon-pink. 15c.
- 1195 X **Forrestii Hybrids**. Showy panicles of carmine, crimson, pink and white flowers, excellent for rock garden and border. 2 ft. Pkt., 15c.
- 1210 X **Haageana Hybrids**. 1 ft. June-July. Mixed. Ranging from nearly white to scarlet. Pkt., 10c.
- 1215 X **Viscaria Splendens**. 1½ ft. Almost evergreen foliage, bright rose flowers. Pkt., 10c.

Myosotis ① (Forget-Me-Not)

Culture: C, Page 67

Palustris Semperflorens. Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Native Wild Flowers

- 140 **Aquilegia Coerulea**. Pkt., 10c.
 - 120 **Aquilegia Canadensis**. Pkt., 10c.
 - 220 **Asclepias Tuberosa**. Pkt., 15c.
 - 807 **Euphorbia Corollata**. Pkt., 25c.
 - 118A **Liatris Pycnostachya**. Pkt., 25c.
 - 145 **Lobelia Cardinalis**. Pkt., 15c.
 - 326 **Pentstemon Grandiflorus**. Pkt., 25c.
 - 101 **Phacelia Campanularia**. Pkt., 10c.
- All the above are perennial except the Phacelia.

Denothera (Evening Primrose) ①

Culture: B, D or E, Page 67

showy plants flowering from June to October.

- 261 X **Missouriensis (Macrocarpa)**. 1 ft. Long trailing stems with yellow flowers. Pkt., 10c.

Physalis Franchetti ①

Culture: B, D or E, Page 67

- 345 **Chinese Lantern Plant**. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. Pkt., 10c.

- 346 **Physalis Gigantea**. The attractive orange-scarlet balloon-shaped seed pods are very large and will make excellent winter decorations. Pkt., 20c.

Pachysandra

X**Terminalis**. 4 to 6 in. Deep green, evergreen foliage; thrives any shady place where grass will not grow. Strong Pot Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Perennial Everlastings ①

For Winter Bouquets

- 7008 **Achillea Filipendula Parker's**. Pkt., 15c.
- 7788 **Echinops Ritro (Globe Thistle)**. Pkt., 10c.
- 7860 **Gypsophila Paniculata Fl. Pl.** Pkt., 25c.
- 8150 **Lunaria Biennis or Honesty**. Pkt., 10c.
- 8345 **Physalis Franchetti**. Pkt., 10c.
- 8520 **Statice Latifolia (Sea Lavender)**. Pkt., 10c.

Pentstemon (Beard Tongue) ①

Culture: B, D or E, Page 67

They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers.

- 7441 **Barbatus Torreyi (Chelone Barbata)**. Brick red. 4 ft. July-August. Bright red. Pkt., 15c.

- 8323 X **Blue Gem**. 1 ft. Compact with charming blue flowers. Pkt., 25c.

- 8322 **Confertus Blue**. High above the foliage are great showy blossom clusters. Effect is a brilliant blue, the tubes touched with violet. A particularly good species. Pkt., 25c.

- 8335 **Digitalis**. 2 ft. June-July. White flowers with purple throat. Pkt., 25c.

- 8326 **Grandiflorus**. 3 ft. Lavender blue. Long-lasting flower. Pkt., 25c.

- 8330 **Hartwegi**. Large Flowering Newest Hybrids. Splendid assortment of colors. Pkt., 15c.

(See Also Page 38 in Annuals.)

Garnet. Large flowering, the plants have a succession of several 12-18 in. spikes, with bell-shaped flowers, rich garnet red in color. The flowers are excellent for cutting. Plants, 3 for \$1.50; doz., \$5.50.

Firebird. Very similar to above excepting color, which is ruby-crimson—another excellent cut flower. Plants, 3 for \$1.50; doz., \$5.50.

- 8327 **Ovatus**. A particularly fine strain. Base branching plants, with flowers carried in loose clusters well above the foliage. Blossoms of a most attractive lavender, buds a bit deeper color. Foliage is a glorious copper crimson in fall. Pkt., 25c.

- 8338 **Hardy Perennial Blend**. Pentstemons are most satisfactory perennials. This mixture contains many varieties not listed separately. Pkt., 25c.



PENTSTEMON



PLATYCODON Grandiflorum

Platycodon ① (Chinese Bell Flower)

Culture: B, D or E, Page 67

They resemble Campanulas, with dainty bell flowers on graceful stems, and are effective in the border foreground. They flower from June to September.

- 8360 **Grandiflorum**. 2-3 ft. Large handsome deep blue flowers. Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.50.

- 8365 — **Album**. White. Pkt., 10c. Plants, 3 for \$1.00; doz., \$3.50.

- 8361 — **Mixture**. Pkt., 10c. 3 for \$1.00; doz., \$3.50.

- 8363 — **New Giant Early Blue**. Oriental Bellflower. Immense blossoms of blue-violet, great bells spread to starry form. Sometimes variants of pure white, or white streaked with azure, will appear. Blooms first year as quickly as an annual. Pkt., 25c.

- 8364 — **New Giant Early White**. White form of above. Pkt., 25c.

- 8370 X **Mariesii Blue**. 1 ft. Deep blue dwarf. Pkt., 10c.

- 8375 X — **Alba**. White. Pkt., 10c.

Plumbago

Larpentae. 8 inches. Dwarf spreading habit covered with deep sky-blue flowers all summer. Rich color and abundance of bloom make ideal edging plant. Plants, 3 for \$1.00; doz., \$3.00.

Polemonium (Jacob's Ladder) ①

Culture: B, D or E, Page 67

Free flowering hardy perennial herbs; belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the Tulips.

- 8380 **Coeruleum (Greek Valerian)**. 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Pkt., 10c.

- 8381 — **Album**. White form of the above. Pkt., 10c.

- 8388 — **Richardsoni**. 18 in. Large sky-blue flowers with a yellow eye. May to Sept. Pkt., 25c.

- 8387 X **Reptans**. 6 in. Flower sprays china-blue. Mounds of beautiful blossoms. Pkt., 25c.

Poterium

Obtusum. 3 ft. July-Sept. It has graceful pinnate foliage and crimson flowers, 2 inches long. Fine for cutting. 3 for \$1.25; doz., \$3.75.

Pueraria (Kudzu Vine) ①

Culture: A, B, D or E, Page 67

- 8425 **Thunbergiana (Jack - and - the - Bean - Stalk)**. 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Pkt., 15c.

For Roots, see Page 101.

Best New Perennial Phlox ①



PHLOX Daily Sketch. 3 for \$1.25; doz., \$3.75

Key to letters
D Dwarf M Medium T Tall

Six Perennial Phlox \$1.75

One each of the varieties marked with a star in list below.

FAMOUS NEW VARIETIES

- Aida.** D. Deep rich purple. Plants, 3 for \$1.50; doz., \$4.50.
- Augusta.** (U. S. Patent No. 252.) Brilliant cherry red. 3 for \$1.50; doz., \$4.50.
- Columbia.** (U. S. Patent No. 118.) Cameo pink, faint blue eye 3 for \$1.10; doz., \$3.30.
- ★**Daily Sketch.** M. Immense flowers, light salmon pink with carmine eye. 3 for \$1.25; doz., \$3.75.
- Frau Alfred Von Mautner.** M. Superb brilliant orange scarlet. Plants, each, 75c; 3 for \$2.00.
- Harvest Fire.** M. Large heads, flaming salmon orange. 3 for \$1.50; doz., \$4.50.
- ★**Leo Schlageter.** T. Outstanding vivid scarlet or flame red. Good foliage, large blooms. 3 for \$1.50; doz., \$4.50.
- Mary Louise.** M. Pure white head; extra large. One of the best. Plants, 3 for \$1.10; doz., \$3.30.
- Nordlicht.** M. Outstanding bright rose-pink with large deep rose center. 3 for \$1.50; doz., \$4.50.
- Sweetheart.** D. Beautiful deep salmon-pink. Plants, each, 75c; 3 for \$2.00.
- Tigress.** New. Vigorous growth, immense trusses of brilliant orange scarlet. 3 for \$1.50; doz., \$5.00.

STANDARD VARIETIES

- Mixed.** 1-year field-grown plants of a choice mixture of colors. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Africa.** T. Carmine red with dark eye. Large trusses. 3 for \$1.00; doz., \$3.00.
- Bridesmaid.** T. Pure white with diffused red center. 3 for \$1.00; doz., \$3.00.
- ★**Border Queen.** Pure pink. Very large flowers. Plants, 3 for \$1.00; doz., \$2.50.
- E. I. Farrington.** M. Delightful salmon shade with lighter eye. 3 for \$1.00; doz., \$3.00.
- Feuerbrand.** T. Bright scarlet, tall with large heads. 3 for \$1.25; doz., \$3.75.
- Lillian.** Light salmon pink, large florets. 3 for \$1.00.
- ★**Miss Lingard.** T. (Suffruticosa.) Earliest white. 3 for \$1.00; doz., \$3.00.
- Miss Von Lassberg.** T. Tall rapid growing, pure white. 3 for \$1.00; doz., \$3.00.
- Painted Lady.** T. Soft silvery pink with red eye. 3 for \$1.00; doz., \$3.00.
- ★**Thor.** T. A splendid variety of a lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. 3 for \$1.00; doz., \$3.00.
- ★**Von Hochberg.** M. Large size blood-red blooms. The best deep red. 3 for \$1.50; doz., \$4.50.

Dwarf and Subulata Phlox

- 8341 Divaricata Canadensis.** Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefers shade. Pkt., 20c. 3 for \$1.00; doz., \$3.00; 100, \$20.00.
- Dixie Brilliant(Nivalis Sylvestris).** Low spreading gray-green foliage, covered in early spring with rosy red flowers, 1 inch diameter. 3 for \$1.25; doz., \$3.75.
- Subulata Alba.** Dainty white flowers in May. 3 for \$1.00; doz., \$3.00.
- Subulata Mrs. Wilson.** Lavender pink. Blooms spring and fall. 3 for \$1.00; doz., \$3.00.
- Subulata Pink Cushion.** New. More compact, clearer pink than Rosea. 3 for \$1.00; doz., \$3.00.
- Subulata Vivid.** Most profuse bloomer of all. Bright pink, red eye. 3 for \$1.00; doz., \$3.00.

8340 PHLOX Decussata Mixed. 2-3 ft. (Seed Ready End of November or Early December.) This special mixture comes from a superior collection of large-flowering sorts. We flowered this mixture in our nursery last summer and were greatly pleased with the size of the flowers and flower-heads and colors. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

Primula ①

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates slowly, may be in the ground a year.

Culture: C or B, Page 67

- ×**Auricula. Large Flowering Mixed.** 6 in. Flowers in early spring in colors of yellow, brown and red. Plants, 3 for \$1.25; doz., \$4.50.
- 8405×Bullesiana Hybrida.** New hybrids of rose, orange, carmine, light and dark blue. Pkt., 50c.
- 8405C Cortusoides Rosea.** 10 in. A charming variety. Flowers in early summer, deep rose; prefers light, rich, well-drained soil. Pkt., 25c.
- 8407 Florindae.** 3 to 4 ft. It bears from late June to late in August, 60 to 80 fragrant bright yellow pendent flowers at the top of its stem. Does well in full sun—heavy soil; hardy in Illinois. Pkt., 35c.
- 8410×Japonica Special Strain.** Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.
- 8412 Sieboldii.** A charming and decorative race of Primulas requiring light woodland conditions of partial shade and a cool leaf soil, under which conditions they increase vigorously; slight protection is desirable in very cold weather. The large rich green leaves are crinkled and scalloped and the upright stems bear a quantity of large brightly colored flowers in April and May, 9 in. They also make splendid pot-plants for the cold greenhouse. They vary from pure unmarked white, through the palest pink and deep lavender to cerise. Some have white faces backed in pink or lavender. Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

- 8414A Veris Colossea Mixed.** The large heads of flowers are borne on very long and stiff stalks quite above the foliage and have proven to be very valuable as cut flowers for early forcing. The flowers which are freely produced are extremely large, measuring more than 1½ inch across. The range of colors is most remarkable, including many quite new shades of lilac, pink, copper; as well as the darkest red. Pkt. (50 seeds), 25c.
- 8416×—Grandiflora, Mixed.** An extra choice large flowered mixed strain. Pkt., 25c. Plants, 3 for \$1.25; doz., \$4.50.
- 8417×—Munstead Strain.** A giant Polyanthus in many charming light shades. Pkt., 35c.
- 8419—Kleynii.** Lusty growth with many large golden yellow flowers, shaded apricot in center. Pkt. (60 seeds), 25c. Plants, 3 for \$1.25; doz., \$4.50.
- 8423—Red Shades.** Pkt., 25c.
- 8423A—Monarch Strain.** Undoubtedly the finest of all strains. Pkt., 25c.
- 8424 Vulgaris (English Primrose).** Pale yellow for wild gardens. Pkt., 25c.

Rudbeckia (Cone Flower) ①

Culture: B, D or E, Page 67

Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.

Herbstwald Autumn Tints. See Annual Pages.

Indian Maid. See Annual Pages.

Double Keldvedon Star. See Annual Pages.

Purpurea Grandiflora.—See Echinacea Purpurea.

"The King." Habit of growth similar to ordinary species but Daisy shape blossoms are larger, petals are held erect and color is distinct wine-red with large brown center cone. Flowers have long life, 3 ft. July-Sept. 3 for \$1.50; doz., \$5.50.

- 8445 ROMNEYA Coulteri.** 4 ft. Flowers large white with yellow centers and long yellow stamens. Fragrant. Does well in semi-arid midwestern states. Pkt., 15c.

Ruellia ①

Culture: B, D or E, Page 67

- 8450 Ciliosa.** Starts to bloom in June and lasts till September. In form and coloring the flowers remind one of Petunia Heavenly Blue, with the same silvery sky blue and lavender reflections. Hardy and enduring perennial belonging to the Acanthus family. It likes full sun and hot dry places. Sown in very early spring will often bloom first year. Pkt., 25c.

Salvia ①

Culture: B, D or E, Page 67

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. Grow on dry side and without fertilizer. The flowers are borne in spikes, racemes, or panicles, and are very attractive during the summer months.

- 8471 Azurea Grandiflora.** 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. Pkt., 15c. Plants, 3 for \$1.00; doz., \$3.00.
- 8475 Pitcheri.** Delightful flowers of brightest azure blue, carried in long racemes. Foliage is silver dusted. Fully hardy and long lived perennial, that will nevertheless bloom the first year from seed if sown early. Pkt., 20c.
- 8480 Patens.** 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Sept. Pkt., 25c.

Sedum ①

Culture: B, D or E, Page 67

The species varies in habit from dwarf, creeping plants to those of larger growth, as the Spectabile grows upwards of 2 ft. high. Some, too, are of evergreen and others of deciduous growth, with more or less fleshy leaves. The dwarf kinds do well as edgings to borders, and others are suitable for grouping in the border.

Spectabile. Rose colored flower head. 18 inches high. Aug.-Sept. 3 for \$1.00; doz., \$3.00

Spectabile Brilliant. A bright rich colored form of above. 3 for \$1.00; doz., \$3.00.

Spurium. Rosy crimson. 6 inches. July-August. 3 for \$1.00; doz., \$3.00.



PRIMULA Veris (Polyanthus) Grandiflora Mixed



STOKESIA Cyanea

Stokesia (Stokes' Aster) ①

Culture: B, D or E, Page 67

Large flowers, resembling a single Aster, prefer a light soil, and some winter protection.

8525 Cyanea. 18 in. July-Oct. Flowers rich blue. Pkt., 15c.

8535 —Mixed. Blue and white. Pkt., 15c.

Blue Moon. A perfectly hardy and vigorous variety with exceptional merit. The vivid blue disc-like flowers, often 5-6 in. in diameter, are borne well above the plant on stems 12-18 inches long. Blooms throughout season. 3 for \$1.50; doz., \$4.50.

Saponaria ①

Culture: B, D or E, Page 67

8482 X Ocymoides Splendens. 6 in. A showy dwarf trailing plant, producing a sheet of rose colored flowers. June-August. Pkt., 10c.

Silene (Catchfly)

Culture: B, D or E, Page 67

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all summer.

8510 Orientalis. 2 ft. Deep rose flowers in terminal umbels. Pkt., 15c.

8509A Saxifraga. 10 in. June to Aug. Flowers yellow, reddish-brown underneath. Pkt., 25c.

Statice (Sea Lavender) ①

Culture: B, D or E, Page 67

They are stemless, the leaves springing direct from the root stock; and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter.

8516 Caspia. The multitude of small flowers composed in spikes 2 to 3 ft. long; tender lilac. Pkt., 15c.

8515A Dumosa. It forms densely packed cushions of pure silvery gray flowers. Their stems are stiff and wiry; the panicles are thickly covered with blossoms. 2 ft. Pkt., 25c.

8520 Latifolia. 2 ft. Grown for its lovely lacy foliage and purplish blue minute flowers produced all summer; if cut and dried, is useful for winter bouquets. Pkt., 10c.

Thermopsis

Culture: B, D or E, Page 67

8548 Caroliniana. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Pkt., 25c.

THRIFT. See Armeria.

PERENNIAL SEED MIXTURES

Mixtures of perennial seeds similar to our popular surprise garden of annuals.

8600 Dwarf. 6 to 15 in. **8601 Medium.** 18 to 36 in.

8602 Tall Sorts Mixed. 3 ft. and upwards. Each of above, per pkt., 25c; three pkts. for 65c.

Thalictrum (Meadow Rue)

Culture: B, D or E, Page 67

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8541 Aquilegifolium. (Feathered Columbine.) Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 15c.

8545 Dipterocarpum. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c.

8547 Glaucum. Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. Pkt., 15c.

Thymus (Mountain Thyme)

Culture: B, D or E, Page 67

8549 X Serpyllum, Wild Thyme. Dwarf growing perennial herb with fragrant foliage. Delights in sunny spot, creeping habit. Purple flowers. Pkt., 25c.

Tritoma, Red Hot Poker

Culture: B, D or E, Page 67

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8556 Hybrida Early-Flowering Mixed. These hybrids contain many interesting colors. Pkt., 25c.

8558 Pfitzer's Hybrids. Orange scarlet. Pkt., 15c.

Grandis Pfitzeri. 2-3 ft. Aug.-Oct. The rich orange-scarlet flowers come freely in late summer and often continue till late October. The great waxy flowers make a vivid splash of color and are an excellent cut flower. 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Trollius (Globe Flower)

Culture: C, Page 67

Globe flowers of unique character, of bright orange or yellow, and finely cut leaves, make this a desirable subject for moist, lightly shaded locations or pool sides. Better sown in fall, as seed needs freezing to germinate.

8551 Ledebouri. 2 ft. Orange flowers. Pkt., 50c. Plants, 3 for \$1.25; doz., \$4.50.

—Golden Queen. 3 to 4 ft. Bearing large flowers. Petals golden, anthers orange yellow, and flowers in autumn as well as early summer. It comes practically true to type from seed. Plants, 3 for \$1.25; doz., \$4.50.

New Hybrids. 2-3 ft. Colors range from pale yellow to dark orange. 3 for \$1.00; doz., \$3.00.

Tunica

Culture: B, D or E, Page 67

8559 X Saxifraga. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt., 15c.

Vinca Minor (Grave Myrtle) X

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

Bowles Variety. A new European form, showing great improvement over the ordinary type. Larger and glossier leaves and flowers. The plant stays in bloom much longer, and the flowers are a charming intense shade of periwinkle blue. 3 for \$1.00; doz., \$3.00; 100, \$20.00.

PLANTS OF HARDY SWEET VIOLETS

X Frey's Fragrant. Large deep purple single blooms, standing well above the heavy foliage. Plants, 3 for \$1.00; doz., \$3.00.

X Prince of Wales. Grows anywhere. Large single, fragrant. Plants, 3 for \$1.00; doz., \$3.00.

X Double Russian. The true hardy double violet. Very double, dark purple flowers, intensely fragrant. Plant in shade and mulch. Plants, 3 for \$1.00; doz., \$3.00.

X Rosina. New. This charming variety has an abundance of very fragrant, rose-pink flowers. It also blooms more freely in Autumn than other varieties; very often it will bloom all October. Extremely hardy and a gem for the shady corner. Plants, 3 for \$1.25; doz., \$4.50.



VERONICA (Speedwell)

Veronica (Speedwell)

Culture: B, D or E, Page 67

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes.

8577 X Incana. White woolly plant, numerous blue flowers. 12 in. June-July. Pkt., 25c.

8576 Longifolia. 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Pkt., 15c.

8570 Spicata. Blue. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c.

VERONICA Subsessilis. 2 ft. July-Sept.

Conceded to be the best of the Veronicas. It blooms latest of all; the large spikes of dark blue flowers are borne on stiff stems well above the foliage. Plants, 3 for \$1.15; doz., \$3.50; 100, \$25.00.

Verbascum (Mullein)

Culture: B, D or E, Page 67

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8569A Harkness Hybrids. 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. Pkt., 25c.

8568 Hybridum, Miss Willmott. The large white flowers are produced in stately spikes, rising 5 to 6 feet. July to frost. Pkt., 15c.

8567 Olympicum. 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Pkt., 25c.

8569 Phoeniceum Hybrids. 2 ft. Bears white, purple, rose or red flowers in erect spikes. Pkt., 25c.

Valeriana (Garden Heliotrope)

Culture: B, D or E, Page 67

8560 Rubra. 2 ft. Showy heads of old rose flowers in umbels on 12 inch stems. Pkt., 10c.

8561 Mixed. Pkt., 10c.

8562 Officinalis. 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong Heliotrope odor. Pkt., 25c.

8589 WISTERIA Chinensis Blue. Climber, purplish pea-shaped flowers. Pkt., 10c.

Yucca (Adam's Needle)

Culture: B, D or E, Page 67

8585 Filamentosa. 5-6 ft. or more. June-July. Broad sword-like evergreen foliage. The flowering stalks are 6 feet high, with large creamy white flowers. It likes loose dry soil and a warm situation. Pkt., 10c. Plants, 3 for \$1.25; doz., \$3.75.

House Plants from Seed

AGAPANTHUS

Culture: C, B, D or E, Page 67

- 175 **Umbellatus (Blue Lily of the Nile)** 1 ft. Bright blue flowers produced in clusters on long stems. Does well out of doors in all Southern States. House plant in the North. Pkt., 15c.

ANTIRRHINUM Snapdragon

For Greenhouse Forcing.

Culture: D or E, Page 67

See Also Novelties and General List of Annuals

BRONZE

- 362 **Afterglow.** Golden bronze. Pkt., 50c.
397 **New Deal.** Early fragrant golden bronze. Pkt., 50c.
400 **Suntan.** Rose shade of tan yellow lip. 50c.

LAVENDER

- 367 **Bertha Bauer.** Standard lavender. Pkt., 50c.

RED

- 407C **Velvet Beauty.** Rich American Beauty color. Pkt., 50c.

ROSE AND PINK SHADES

- 375 **Cheviot Maid Supreme.** Deep rose pink. Pkt., 50c.
378A **Daybreak.** Briardiff shade of pink. Pkt., 50c.
408A **Rose Queen.** Dark pink. Pkt., 50c.

WHITE

- 395 **Lucky Strike.** Early flowering white. Pkt., 50c.
408 **White Wonder.** Early flowering white. Pkt., 50c.

YELLOW

- 374 **Ceylon Court.** Dark canary yellow. Pkt., 50c.
409A **Cheviot Maid.** Yellow. Pkt., 50c.
380 **Ethel.** Bright yellow. Pkt., 50c.

- 426 **VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES.** A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS

Culture: C. Pot up in fall, force in greenhouse. Page 67
480 **Plumosus Nanus.** + 3 ft. Pkt., 25 seeds, 15c; 100 seeds, 50c.

- 485 **Sprengeri.** + Finest material for hanging baskets. Pkt., 25 seeds, 15c; 100 seeds, 50c.

BEGONIAS

Fibrous-Rooted Ever-Blooming

Culture: B, C, D or E, Page 67

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper.

- 1071 **Christmas Cheer Red.** The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 25c.
1072 **Christmas Pink.** Identical with above variety except the color is warm rose-pink. Pkt., 25c.
1077 **Gracilis Carmen.** Bright rose flowers in clusters well above the deep bronze foliage. Pkt., 35c.
1081 **—Prima Donna.** 1 ft. Brilliant, clear pink, shading to carmine-rose. Pkt., 25c.
1076 **—White Pearl.** White, foliage green. Pkt. 25c
1084 **Semperflorens Ile de France.** The flowers are 1½ inches to 1½ inches, pure white, with bright yellow stamens. Foliage light green. Pkt., 35c.
1083 **—Kaethe Teicher.** The strong dark-green foliage forms an effective foil to the pure carmine of the flowers, which appear in rich abundance. Pkt., 35c.
1087 **—Masterpiece.** Large clear rose-pink flowers. Fairly cover the foliage. Pkt., 50c.
1085 **—Scandinavia.** A large-flowered pink variety. Plants are of good branching habit with dark green foliage. Excellent for winter flowering. Pkt., 25c.
1090 **Semperflorens Mixed.** Pkt., 25c.

Tuberous Rooted

Culture: D or E, Page 67

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without greenhouse.

- 1103 **Double Mixed.** Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.
1105 **Single Frilled Mixed.** Best frilled flowers. Pkt., 35c.



2846 **House Plants Mixed.** A mixture of the following: Begonia, Calceolaria, Cineraria, Cyclamen, Primula Malacoides and Obconica mixed and Solanum. Pkt., 50c.

CALCEOLARIA +

Culture: C. Pot up in fall, force in greenhouse. Page 67

- 1181 **Hybrida Dobbie's Perfection.** One of the finest strains in cultivation. Flowers rich and varied in color, beautifully spotted and blotched, and of fine form and substance; habit dwarf, compact, and very free flowering. Pkt., 50c.
1180 **Hybrida Grandiflora Extra Choice Mixed.** 1½ ft. A colorful greenhouse plant bearing a profusion of small, pocket-shaped orange or yellow flowers, many of which are beautifully tigered or spotted. Pkt. (300 seeds), 50c.
1179 **Multiflora Nana, Mixed.** The average size of the blooms is only 1½ inch, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. \$1.00.
1185 **Rugosa, Mixed.** Includes nearly all the beautiful colors found in Calceolarias. Pkt., 25c.

CINERARIA Hybrida +

Culture: C. Pot up in fall, force in cool greenhouse. Page 67

- 1715 **Vaughan's Columbian Mixture.** A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (75 seeds), 25c.
1716 **Cremer's Prize Mixture.** The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c.
1718 **Potsdam Strain, Mixed** (Berlin Market or Weissensee). Taller and larger flowered than Cremer's Prize mixture. Pkt., 50c.

CYCLAMEN Persicum Giganteum +

Culture: C. Pot up in fall, force in greenhouse. Page 67
2010 **Mixed.** Colors are vivid and varied. 10 seeds, 25c; 25 seeds, 60c.

FREESIA

Culture: D, E or C, Page 67

- 2451 **Dalrymple Special Strain.** Large sweet scented flowers borne on long stems, in blue, lavender and many shades of yellow. Pkt. (50 seeds), 50c.
2452 **Buttercup.** Good yellow. Pkt. (25 seeds), 50c.
2453 **Princess Mary.** Blood red. Pkt. (35 seeds), 25c.

GLOXINIA

Culture: D or E, Page 67

- 2560 **Vaughan's International Mixture.** + 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.
2562 **Hybrida Grandiflora Mixed.** A brilliantly colored mixture containing many shades in self and bicolors with the popular rich dark red Beacon predominating. Pkt., 35c.

GERANIUM +

Culture: D or E, Page 67

These grow readily from seed the first year and produce blooming plants the first summer.

- 2490 **Large Flowering.** Newest Varieties Mixed. Pkt. (50 seeds), 25c.

LISIANTHUS

Culture: D or E, Page 67

- 3038 **Russellianus (Eustoma).** An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow in heat in Spring, keep fairly moist during Summer. Blooms in four months from seed. Upright and compact free flowering habit. Pkt., 50c.

MARIGOLD

Culture: D or E, Page 67

- 3122 **Lieb's Winter Flowering.** Mahogany brown with golden yellow crested center. Pkt., 25c.
3125 **Lieb's Winter Flowering Sunshine.** Golden orange, yellow center. Pkt., 25c.

PANSY

Culture: A, B or C, Page 67

- 3841 **Vaughan's Long Stemmed Winter Flowering Re-selected Mixed.** It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

PRIMULA

Culture: D, C or E, Page 67 +

- 4465 **Chinese Vaughan's International Mixture.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt. (100 seeds), 35c.

Primula—Various Sorts

Culture: C (May-July). Pot up July-Sept. Page 67

New Giant Malacoides

- 4469 **Snow Flake.** Has flowers of the purest shimmering snow white one can imagine. 200 seeds, 35c.
4470 **Mixture.** Contains a good many varieties still in the developmental stage. 200 seeds, 35c.
4475 **Malacoides.** 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.
4479 **—Salmon Rose.** True salmon. Pkt., 50c.
4464 **Giorgis.** This is a cross between Primula Malacoides and Chinese fringed varieties. The flower formation is that of the Chinese Primrose, while the short compact foliage reveals the Malacoides blood. Finely fringed, double rowed, single flowers 1½ inches in diameter. Dark green foliage. The color is a strong carmine rose with a strong yellow center. Pkt. (150 seeds), 50c.

Primula Obconica Grandiflora

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 67

- 4487 **Fassbender Red.** Large rich deep red. Pkt. (200 seeds), 50c.
4496 **Gigantea Wyaston Wonder.** The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt. (100 seeds), 50c.
4495 **Obconica Grandiflora Mixed.** Good mixture. Pkt. (200 seeds), 25c.
4493 **Double Portland Beauty.** Ranging in color from light pink to rose-pink. Pkt. (250 seeds), \$1.00.

SMILAX 6 ft.

Culture: D or E, Page 67

- 4780 **Makes a fine pot or basket plant.** Elegant for table decoration when cut. Pkt., 15c.

SOLANUM

Culture: C or D, Page 67

- 4789 **Hlavacek's Masterpiece.** Compact and produces many more cherries than the old type. Pkt., 25c.
4790 **Cleveland Red Cherry.** Pkt., 20c.

STEVIA

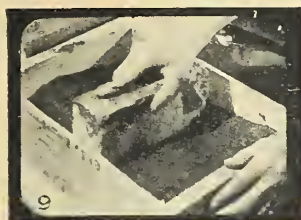
Culture: D or E, Page 67

- 4825 **Serrata.** 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 15c.

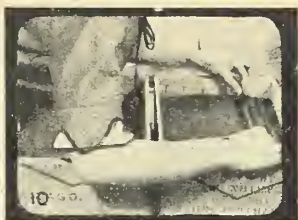
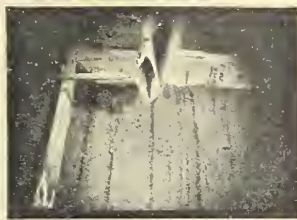
STREPTOCARPUS

Culture: D or E, Page 67

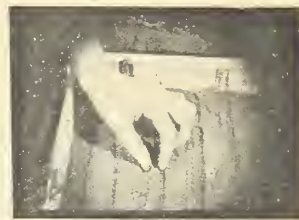
- 4826 **Largest Hybrids.** + 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging from lavender purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 35c.



FIRMING THE SOIL

MARKING THE ROWS
SOWING SEEDS IN THE INDOOR BOX

SOWING THE SEED



COVERING THE SEED

FLOWER SEED CULTURES—HOW TO SOW

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D," firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out.

While our cultural instructions are definite, detailed and exceptionally thorough, they should be supplemented by reading in good gardening books and by obtaining, at first hand, advice from successful gardeners in your neighborhood. Success in gardening requires study, and the opportunity for enlarging one's information and trying out new things is one of the most fascinating features of gardening.

A mulch of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

D Sow indoors in a box, pot or pan. This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florists' pot or pan (shallow pot) or a "flat", which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

E Sow in a hot bed or cold frame. A cold frame or a hot bed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hot-bed, or to an outdoor location, if late enough.

GARDEN GUIDE. Amateur Gardeners' Handbook. Deals thoroughly with most effective handling of every growing thing in the garden and home grounds. 300 photographic illustrations. 576 pages. \$2.00.

THE PRACTICAL ENCYCLOPEDIA OF GARDENING (The Garden Dictionary) edited by Norman Taylor. The Practical Encyclopedia of Gardening covers all phases of gardening in the United States and Southern Canada, providing in a convenient single volume the answers to almost every conceivable garden question. It contains 898 pages, page size 8x10 3/4, bound in green buckram, emerald green top, dark green ink stamping on front cover, 5-color and cellophane laminated jacket. It is illustrated throughout with line drawings and with 20 four-color illustrations. Formerly at \$7.50. Thumb-Indexed edition, \$3.95.

FIVE ACRES AND INDEPENDENCE. By M. G. Kains. A practical guide to the selection and management of the small farm. The author's detailed advice and explanation on every topic treated leaves little chance for even unskilled persons to go wrong. This book contains 77 illustrations and diagrams. 401 pages. \$2.50.

FERTILIZERS. By A. F. Gustafson, Ph.D. Requirements for Plant Growth. Nitrogenous Fertilizer Materials. Phosphatic Fertilizer Materials. Potash Fertilizer Materials. Fertilizer Effects on Soils and Crops. Factory-Mixed Fertilizers. Home-Mixing of Fertilizers. Purchase and Use of Fertilizers. Liming in Relation to Fertilizer Practice. Illustrated. 172 pages. 5 1/2 x 8. Cloth. \$1.75.

Gardening Books

We find it impossible to catalogue our complete line of books, but should you be interested in any horticultural subject not covered, write for our book list.

THE FOOD GARDEN is a how-to-do-it book. With its many pictures it will be an indispensable tool for thousands of gardeners who are planting vegetable gardens—both amateur and expert. The twenty double-page spreads of line drawings with instructions show in detail the various steps in the cultivation of each crop and the particular problems of each that beset the gardener. The text gives full explanations of the drawings and further cultural directions. 148 pages with 40 full-page drawings, size 8 1/2 x 10 1/4 inches. \$2.00.

GARDEN ENCYCLOPEDIA, AN ENCYCLOPEDIA OF GARDENING. Written by a group of American horticultural experts and edited by E. L. D. Seymour, B. S. A. A single big volume that gives you the scope and contents of a whole shelf full of garden books. More complete than any other garden book ever prepared. 1,300 pages. 750 illustrations, including 250 photographs. \$2.98.

1001 GARDEN QUESTIONS ANSWERED. By Alfred C. Hottes. New Third Edition. An amazing collection of useful information for the amateur gardener wishing to plan and manage his own home grounds. Answers to all kinds of garden questions, from what to plant on the north side

of the house to what time to put Waterlilies in the pool, will be found in this new and vastly improved edition. 388 pages. 160 illustrations. \$2.50.

PROPAGATION OF PLANTS. By Kains and McQueten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 569 pages. \$3.50.

THE VEGETABLE GARDEN. By Edward I. Farrington. Formerly published at \$2.00 as "The Back Yard Garden." Completely revised, set from new type, with new charts, new illustrations. 139 pages. \$1.00.

THE VEGETABLE GROWING BUSINESS. By R. L. Watts and Gilbert S. Watts. The chapters in this book are devoted to fundamental consideration of location, equipment and markets, and to the fertility program with emphasis on its relation to cost of production. General and specific methods of controlling insects and diseases are recommended. A chapter on vegetable forcing in greenhouses, cold frames, and other structures will be found useful. Numerous photographs, charts and drawings greatly enhance the value of the text. Profusely illustrated. 569 pages, 6 x 9 inches. \$3.50.

Vaughan's Vegetable Seeds



Artichokes

THE Artichoke is grown for its edible blossoms. It is a perennial but will not stand freezing. It requires renewing every two or three years.

Green Globe. Perennial, large-flowering heads. Matures second year; not hardy in the north. Pkt., 10c; oz., 70c.

Jerusalem Artichoke Roots. About five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. Tubers can be supplied in March and April. Lb., 25c; 3 lbs., 50c; 10 lbs., \$1.25. Write for quantity prices.

Asparagus

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING — Asparagus may be raised from seed and a crop obtained in three years. One ounce of seed will produce 300 plants.

ROOT PLANTING — A year may be saved by buying the plants and setting them two feet apart in the row, and the rows four feet apart.

WASHINGTON RUST-RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture, which originated this strain. Rust-proof plants are preferred by commercial growers. The most satisfactory strain is MARY WASHINGTON.

Mary Washington. Pkt., 10c; oz., 15c; ¼ lb., 40c.

Paradise. This is comparatively a new introduction and is claimed to be superior to the Washington strains in the following points: yields heavier, produces a crop one year earlier and has a very mild delicious flavor. It is claimed to produce as much as five tons of cut Asparagus in one season. Pkt., 15c; ½ oz., 30c; oz., 50c.

ASPARAGUS ROOTS

| | 1-Year Old | 2-Year Old |
|------------|-----------------------|-----------------------|
| Mary | Doz. 100 1000 | Doz. 100 1000 |
| Washington | \$.50 \$2.25 \$15.00 | \$0.60 \$2.50 \$18.00 |

If by mail, add postage as follows: 100, 50c.

Edible Soy Beans

We offer four strains of edible Soy Beans, differing radically from the field varieties, developed to provide a valuable and palatable human food. Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics. Yield is much heavier for same area than Navy Beans. University of Illinois, Urbana, Ill., will supply on request "Ways of Using Soy Beans as Food."

Bansei. 90 days. 18 to 24 in. tall, the earliest one and best in Northern districts. Pods 2½ x ½ x ¾ pale green turning to pale greenish yellow.

Willomi. 95 days. Plant 3 ft. tall, otherwise similar to Bansei.

Jogun. 98 days. Plant 30 in. tall, otherwise similar to Bansei.

Hokkaido. 100 days. 30 in. tall, having more pods to the cluster, otherwise similar to Bansei. Above Soys, pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 50c; 3 lbs., 65c; 5 lbs., \$1.00.

LIMAS

One week after frost proof date sow seeds 2 inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand one foot apart. Plants kept picked clean will bear until frost.



BABY POTATO. Pkt., 10c.

LIMAS should be planted a little later than the other bush Beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space but the pole limas yield better.

BUSH

★**Fordhook Bush.** 78 days. The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick green Beans. For heaviest yield give each plant at least 18 inches in the row. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.10.



PLANT AND POD OF EDIBLE SOY BEAN

Improved germination and vigor of growth in beans is produced by inoculating the seeds with "Nitragin" Garden size, ceiling price, 10c and 25c.

★**USDA 2 Henderson.** About 60 days. A prolific yielder of small Beans, thriving in ordinary soil. Earlier than standard Henderson recommended to replace it. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00; 5 lbs., \$1.50.

Baby Potato. 72 days. It resembles Henderson Bush, but with darker foliage, more productive and averaging more Beans to the pod. Good flavor and excellent for canning or freezing. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.10; 5 lbs., \$1.60.

Burpee's Improved Bush. About 76 days. This has larger pods and Beans than the original. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.10.

Burpee's Bush. About 75 days. Large white seeds, very productive and splendid quality. Pkt., 10c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.10.

Jackson Wonder. 65 days. Like Henderson. Small Beans, buff mottled with purplish black. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Cangreen. A new green seeded small bush lima of Henderson type. A stronger grower, more prolific, with slightly larger seeds. Pkt., 25c; ½ lb., 45c; lb., 85c; 2 lbs., \$1.50.

POLE

Packet plants 15 hills; lb., 100 hills.

★**Succulence.** 75 days. Earliest of pole limas, bears Beans slightly larger than Henderson's Bush. It is an exceptional producer and can be grown on a pole or allowed to run on the ground. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.10.

Early Leviathan. In about 83 days. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.10.

King of the Garden. In 85 days. A large podded, vigorous, immensely productive variety. The numerous pods, 5 to 7 inches long, are well filled with 5 to 6 large Beans of excellent quality. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 3 lbs., \$1.10.

Carolina Sieva. 77 days. Hardy, tall pole type, resembling Henderson Bush in other respects. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Florida Butter. 78 days. Similar to Carolina Sieva, except seed instead of white is buff spotted brown. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Large White Seeded. About 85 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 120.

BEANS

QUALITY in Beans is measured by stringlessness, by tenderness, or the absence of fibre, or "linen" in the pod; by ability to produce well; a long, straight pod being preferred. After the harvest our beans are hand-picked. The improvement in your crop far outweighs the increased cost.

Green Pod

***Plentiful.** Ready to pick in about 48 days. Though it has a dark green pod, it originated as a cross between Bountiful and Surecrop Stringless Wax. It is free from strings and fibre at all stages of growth. Delicious when half mature, it is also tender and without strings when it has reached its maximum size of 6 to 8 inches in length. This gives it an exceptionally long season of use. We recommend it for the home garden. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

***Tendergreen.** 52 days. A main crop variety of the stringless round pod type, with tall vines which carry their pods free of the ground. A heavy yielder, bearing long pods, fleshy and of excellent flavor. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.20.

***Streamliner.** Ready to pick in about 50 days. This tender, flat pod Bean averaging 8 to 10 inches long, bears white seed. Its long pods are stringless and quite free from fibre. If the vines are picked clean, the plants will bear all summer. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.20.

Wonderful. About 56 days. New introduction having dark green foliage. Pods average one inch longer than Bountiful. Flat, stringless, slightly curved but excellent quality, pod similar in color to Tendergreen. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.20.

***Bountiful Stringless.** Ready to pick in about 48 days. Of the heavy yielding, flat pod type, our strain of this variety is finest. One of the earliest, it produces straight pods, 7 inches long, half an inch wide, completely stringless, tender and brittle. It has a long season of bearing. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.10.

Stringless Green Pod. 50 days. Medium size ½ in. pods. Straight, stringless, tender, nearly round, fleshy. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

***Commodore.** 75 days. A Bush Kentucky Wonder. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.00.

Medal Refugee. About 64 days. All-American bronze medal 1942. Round, smooth, stringless, medium straight pods and white seed. Very prolific and recommended for home and canning use. Pkt., 20c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.75.

Giant Stringless Green Pod. In about 53 days. Later than Stringless Green Pod, which it equals in quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Black Valentine Stringless. About 52 days. An improved selection of Black Valentine, stringless, yet immune to light frosts. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Red Valentine Stringless. About 52 days. Hardest of Beans, germinating in cold ground, and resisting light frosts. Round fleshy pods, vines 15 in. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Wax Pod

***Golden Bountiful.** 54 days. An extra early, perfectly stringless flat variety with black seed. The pods are large and of a golden yellow. In yield it is exceptionally heavy, like its green-pod namesake. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

***Gold Standard.** Matures in about 52 days. In earliness, table quality and heavy yield this new variety is outstanding. It has straight flat pods, seven inches long; perfectly stringless, tender and of excellent flavor. It is strongly recommended for the home garden. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

Wardwell's Kidney Wax. Matures in about 53 days. The attractive golden yellow pods, seven inches long, are flat, brittle, stringless, straight, finely shaped and of excellent flavor. It is especially suited to midwestern conditions. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

Unrivaled Wax. About 53 days. Vigorous grower, slightly flattened pods, high quality. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

One week before frost proof date sow bush beans 2 inches deep, 2 inches apart, pole beans 4 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.



STREAMLINER BEANS, Pkt., 15c.

***Round Pod Kidney Wax (Brittle Wax).** Matures in about 55 days. The plant is erect, of medium size and a prolific bearer. The pods are a light yellow, 6 inches long, stringless and entirely without fibre. This variety has the highest table quality. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

Top Notch Golden Wax. 52 days. Vines vigorous, medium size, producing heavily, rust resistant. Pods creamy yellow, straight, oval, stringless and brittle, 5½ in. long, having an excellent buttery flavor. Much heavier yielder, with longer pods than Improved Golden Wax, which it displaces. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

New Kidney Wax. 53 days. A flat, long-podded stringless variety of highest table quality as well as a robust grower and high yielder. Pods 6 to 7 inches long very thick and meaty. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

Pencil Pod Black Wax. In about 52 days. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, black seed. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 120.

Pole Beans

THEY YIELD HEAVILY

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest. A packet plants 15 hills; 1 lb., 100 hills.

Potomac. For description, see Novelty page 3. Pkt., 25c; ½ lb., 45c; lb., 85c.

***Kentucky Wonder or Old Homestead.** Ready in about 65 days. Green pod. The most widely planted pole variety. The pods are fleshy, 7 to 10 inches long and stringless when young. Kept picked, they bear all season. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Decatur. About 65 days. 1942 All-American Silver Medal. A stringless pole bean bearing round pods 6 in. long. Green, tender. Seed white and small and may be used dry. Very prolific and will grow in any home garden where 100 frostless days prevail. Pkt., 15c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.20.

***Kentucky Wonder Wax.** In 65 days. The best pole wax bean for northern planting. Pods are golden fleshy, delicious. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 3 lbs., \$1.15.

Early Golden Cluster Wax. About 65 days. Long, stringless; pods in clusters; pure white seeds. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Burger's Stringless Green Pod. About 63 days. (White seeded Kentucky Wonder.) Bears until frost. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

White Creaseback. In 65 days. Early; long, round, green, stringless, tender. Pkt., 10c; lb., 40c; 2 lbs., 75c.

Cut Short or Corn Hill. About 65 days. Much used in the south for planting among the corn. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Lazy Wife. In 72 days. Good shell beans; long, stringless pods. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Horticultural Cranberry. In about 70 days. For cool climate; early; flat green pods, spotted seeds. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

Scarlet Runner. In 65 days. Ornamental flowers. Pkt., 10c; lb., 45c; 2 lbs., 85c.

Yard Long. 65 days. It produces a long, round edible pod. Pkt., 15c; ½ lb., 40c.

Dutch Case Knife. 65 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

McCaslan. 65 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Missouri Wonder. 66 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Mobile or Black Valentine. 60 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

Striped Creaseback. 72 days. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

FIELD BEANS

Great Northern. In 90 days. A little larger than the Navy Bean, it is harder and a much heavier yielder. Pkt., 10c; lb., 30c; 2 lbs., 50c; 3 lbs., 65c.

Improved Navy. In 85 days. Fine field sort. Lb., 25c; 2 lbs., 50c; 3 lbs., 65c.

"Robust." In 100 days. A selection of Navy bred for resistance to blight, which outyields others on heavier soils. Lb., 25c; 2 lbs., 50c; 3 lbs., 65c.

SHELL BEANS

Dwarf Horticultural. In about 100 days. Late, heavy yielding. Flat green pods spotted with red. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

English Broad Windsor. About 100 days. Best of class. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

White Kidney. In 100 days. Lb., 35c; 2 lbs., 65c; 3 lbs., 90c.

Red Kidney. In 110 days. Lb., 40c; 2 lbs., 75c; 3 lbs., \$1.00.

White Marrow. In 110 days. Lb., 35c; 2 lbs., 65c; 3 lbs., 90c.

Inoculate Beans with Nitragin for better crops. Ceiling prices, garden size, 10c; ½ bushel, 25c; bushel, 35c.

BEETS

Sow as soon as soil can be worked in the spring, about 10 seed to the inch, in drill half-inch deep. Firm soil well over seed. Thin when roots begin to make globes, to stand 4 inches apart in row. Cook discards with their tops.

Tops are Richest in Vitamins



Young Crosby's Egyptian, to Be Cooked With Their Tops.

QUANTITY in Beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only Beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually.

While this extra care increases the cost of the seed, the increase is small compared with the added value which improved quality gives to the crop.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

★Perfected Detroit. Matures in about 55 days. In this improved strain of Detroit Dark Red Turnip Beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier, and almost spherical in shape. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

★Detroit Dark Red Turnip. Matures in about 55 days. A main crop variety unequalled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Tops are uniform, small and erect. Roots are globe shaped, and very dark red, inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.

Early Wonder. Matures in about 50 days.

This is a selection of Crosby's Egyptian more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Good for All. Matures in about 50 days.

This is a selection of Detroit, bred to produce uniform roots which can be harvested when 1¼-1½ inches in diameter, especially for canning and pickling. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.

★Crosby's Egyptian. Matures in about 50 days.

This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape, excelling in table quality.

Vaughan's Selected Stock. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.

Standard Stock. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Crimson Globe. In about 60 days. Second early main crop, of medium size. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 85c.

Edmand's Blood Turnip. 60 days. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

Tendersweet. 50 days. Deep red throughout, with almost no zoning, globe shape with fine tap root, tender flesh. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Winter Keeper or Long Dark Blood. 75 days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender even in storage. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c.

Early Blood Turnip. In 55 days. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

Improved Early Egyptian. About 45 days. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.



BRUSSELS SPROUTS



BEET
DETROIT
DARK RED,
Pkt., 10c;
Oz., 40c.

Sugar Beets

The kind offered below is grown from roots, the test analysis of which showed high sugar content.

Klein-Wanzleben. Wedge shape tapering to long tail. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Mangel Wurzel

Mature in 90 to 120 days.

Mangels are an excellent crop for dairy and poultry farms, giving a crop of good feeding value for both cattle and chickens. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches. Give the crop good cultivation.

Barres Sludstrup. This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Vaughan's Mammoth Long Red. Largest and heaviest cropper of long red sorts. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Golden Tankard. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Giant Rose Half Sugar. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Brussels Sprouts

Brussels Sprouts supply in 4 oz. cooked portion, 1,100 I. U. of Vitamin A, 50 I. U. of Vitamin B₁, 90 milligrams Vitamin C.

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. For late use sow seed in June.

Long Island Improved. About 25 days. The most satisfactory Brussels Sprouts for American conditions. Pkt., 15c; ½ oz., 45c; oz., 85c.

Celeriac

TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

Large Smooth Prague. About 120 days. A main crop variety. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

CARROTS

Sow as soon as soil can be prepared, in shallow drills, 15 seeds to the inch. Thin out when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core." Scientists say the brighter the color, the more Vitamin A in carrots.

★Touchon. 70 days. Experienced home gardeners know the exquisite flavor of tender young Carrots, not much thicker than your little finger, which contribute one of the early summer's most delicious table treats. Here is a variety which retains when grown to full size the qualities which others lose so quickly as they mature. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

★Redheart. 70 days. It has no core of the usual sort, but its rich red coloring is even throughout the flesh. The top is ample for bunching and the foliage is fern-like. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.25.

★Nantes Half-Long Scarlet. Matures in about 70 days. This early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★Table Queen. Half-long type, rich red, tender, crisp and one of the sweetest we know. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Vaughan's Select Danvers. About 75 days. It is a half-long type, averaging five and one-half inches in length, tapering to a blunt point. Its yield greater per acre than any other. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

Improved Chantenay. 75 days. This is a strain of Early Chantenay which resembles the original type in most respects except that it averages 1½ to 2 inches longer and has sloping shoulders. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Early Short Scarlet. In about 65 days. (Dutch Horn.) Larger than French Horn and almost as early, 1½ inches thick, three inches long; fine grain sweet-flavored, rich orange. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Guerande or Oxheart. In 70 days. Is a variety of very rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top shape; has a good flavor and is tender. A second early. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Imperator. About 77 days. Has roots 7 to 8 inches long, slightly tapering, and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

CARROTS FOR STOCK

Improved Long Orange. About 88 days. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Makes a large tonnage of feed and may be used for cattle or poultry. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.



CARROT NANTES HALF-LONG SCARLET. Pkt., 15c.

Green Celery Best for Vitamins

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good Cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of June. Eight inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt.; 8,000 plants, 1 oz.

★Golden Detroit. The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 25c; ½ oz., 60c; oz., \$1.00.

★Salt Lake. Selection from Utah Golden. Large round stalk. Free from string, finest quality, branches easily. An excellent winter seller. Pkt., 25c; ½ oz., 60c; oz., \$1.00.

Salt Lake Special. Utah grown select strain. Pkt., 25c; ½ oz., 65c; ½ oz., \$1.00; oz., \$1.75; ¼ lb., \$6.00.

★Michigan Golden (College Golden). Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 40c; ½ oz., 75c; ½ oz., \$1.40; oz., \$2.50.

Golden Plume. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Select. Pkt., 20c; ½ oz., 70c; oz., \$1.35; ¼ lb., \$4.00. Regular. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.35.

Golden Self-Blanching. Dwarf bunches, with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

Tall Strain. French type. Pkt., 25c; ½ oz., 75c; oz., \$1.50; ¼ lb., \$5.00.

Dwarf Strain. American-grown. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

Giant Pascal. The stalks are large, solid, crisp and of rich nutty flavor. For fall and winter, this is a splendid sort. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Emperor. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

White Plume. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white and large sized.

Selected Stock. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.65.

Winter Queen. An excellent winter sort with double the amount of heart of any known celery. Pkt., 10c; ½ oz., 30c; oz., 50c.

Soup Celery or Smallage. Green foliage used for soups. Oz., 35c; ¼ lb., \$1.00.

Easy Blanching. Medium dwarf, stalks thick, quality excellent. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.



CELERY Salt Lake. Pkt., 25c.

BROCCOLI



BROCCOLI ITALIAN GREEN
SPROUTING.

GREEN sprouting broccoli has been given new importance by the disclosure that because of its green coloring it is far richer in vitamins than white cauliflower, which it resembles in flavor. It takes rank as one of the protective foods, which defense authorities urge shall be given precedence in Victory Gardens. It is also a much easier subject for the amateur than cauliflower, and has a much longer season of harvest.

The type which has won greatest popularity produces a terminal head which may be cut, whereupon other heads are produced on lateral

Richest of Its Race in Vitamins

branches, which in turn may be harvested. Typical center heads are shown in the illustration. It survives light frosts, and produces well in the cool autumn weather. Sow in the open in May, and transplant to eighteen inches apart in the garden row.

***Italian Green Sprouting (Calabrese).** Matures in about 70 days. A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 25c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

LATEST BOOK ON HOME CANNING

Home Canning for Victory, by Anna Pierce, in its 106 pages with durable cloth binding gives the latest scientific method of canning, preserving, pickling and dehydrating vegetables and fruits. This is information of vital importance to Victory Gardeners, who are expected to put up all surplus crops for use next winter. Prepaid, \$1.25.



VAUGHAN'S SELECT SNOWBALL. Pkt., 35c; ¼ oz., \$1.45; ½ oz., \$2.65; oz., \$5.00.

Cauliflower from Denmark

WAR and the blockade have shut off from this country imports from Denmark, where the finest strains of cauliflower seed are grown. The result is a shortage of seed which has sent prices soaring. We are glad to report that we have a sufficient supply of Danish grown cauliflower seed of our best strains to supply our retail demand, for which we are reserving it.

Home gardeners will find cauliflower not difficult where conditions are right. When plants are set out in June or early July to mature in October, there is seldom any question of getting fine, large heads.

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

***Vaughan's Select Snowball.** Matures in about 55 days. Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 35c; ¼ oz., \$1.45; ½ oz., \$2.65; oz., \$5.00.

Vaughan's Earliest Dwarf Erfurt. Like New Snowball, but a few days later. Pkt., 35c; ¼ oz., \$1.00; ½ oz., \$2.00; oz., \$4.00.

***Vaughan's New Snowball.** Matures in about 55 days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Pkt., 35c; ¼ oz., \$1.35; ½ oz., \$2.50; oz., \$4.50.

Danish Snowball or Dry Weather. Heads larger, snow-white, second early. Pkt., 35c; ¼ oz., \$1.00; ½ oz., \$2.00; oz., \$4.00.

Autumn Giant. Large heading late fall sort. Pkt., 25c; ¼ oz., \$1.25; ½ oz., \$2.25; oz., \$4.00.

Sow outdoors with earliest crops; transplant or thin to stand 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frosts.



PAOTING. Pkt., 10c. "PE T sai." Pkt., 15c.
Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

Chinese or Celery Cabbage

***Celery Cabbage Pe T sai.** The VAUGHAN strain. This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away, the cabbage presents a well high iridescent appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blanch without tying. July is the proper planting time. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Celery Cabbage "Paoting." Genuine "WONG BOK" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Red Cabbage

Valued for Distinctive Flavor

***Red Winter Giant.** 95 days. One of largest; dark red, extremely hard head, exceptional keeping quality. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Mammoth Rock Red. (Long Island strain). In 95 days. The hardest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Red Yellows Resistant. About 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Cardoon

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 20c; ½ oz., 50c; oz., 95c.

Prices Subject to Change

As this catalogue goes to press there is no ceiling on garden seed prices. Nevertheless, we have not advanced retail prices over those of 1942, except where increased production costs have compelled an increase. Because of uncertainty concerning the replacement of our present stocks of seed, and the cost of such replacement, we are compelled to give warning that all prices quoted in this catalogue are subject to change without notice. Early ordering is urged.

CABBAGE

After frost proof date, set out plants which were started indoors four to six weeks previously. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

Yellows Resistant Strains Insure Crop

WHEREVER the temperature of the soil rises to 90 degrees or higher, there is danger of the yellows disease, and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

Regular Stock of Yellows Disease-Resistant Varieties

***Jersey Queen.** 60 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for summer salad use is desired. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

***Wisconsin Pride (Racine Market) (Early Detroit).** 64 days. A round head early of the Golden Acre type. Of dwarf, compact growth with few leaves; of exceptionally uniform size and maturity season. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.40.

***Wisconsin Ballhead.** 100 days. Most highly perfected strain of yellows-resistant cabbage yet introduced. It excels in all the qualities that mark a good cabbage, besides being 100 percent resistant. A better keeper, of finer texture and matures earlier than Wisconsin No. 8. We sincerely recommend this for home garden and market growers. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

***Globe.** 75 days. The resistant Glory of Enkhausen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage should compare a mature Globe with any other cabbage. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.40.

***Bugner.** 100 days. A winter variety grown in infected soil near Chicago, which is the most popular variety with market growers. Our own strain has been selected for resistant qualities over many years. Pkt., 20c; ½ oz., 65c; oz., \$1.25; ¼ lb., \$4.00.

Wisconsin All Head Early. In about 80 days. This second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Large heading general purpose cabbage. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Marion Market. In 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhausen. Pkt., 15c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.30.

Wisconsin All Seasons. About 90 days. Either a kraut or home variety, but is used more for kraut than any other purposes. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Wisconsin No. 8. 110 days. A late winter keeper. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Standard Cabbages

***Copenhagen Market Extra Early.** Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. It is the result of many years' selection by our European grower, and produces heads round as a ball, crisp, tender and of fine texture.

Reselected, 62 days. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Standard Stock, 68 days. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

***Daybreak.** 60 Days. It bears a round, hard head with short stem and was developed by one of the best growers in Denmark, in whose trials it matured 65% in 60 days, averaging 3 pounds, 12 tons to the acre. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

***Golden Acre.** Matures in about 60 days. Resembles Reselected Early Copenhagen Market in most respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf, compact growth, with few leaves, so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

***Green Acre.** 60 days. A round headed variety which instead of bleaching in the hot sun holds its rich green color to the bursting stage. Smooth, solid, of fine texture and flavor; heads weigh 3 to 4 pounds. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

***Glory of Enkhausen.** 75 days. This globe shaped, medium early variety is of excellent flavor and crispness and produces heads weighing 8 to 10 pounds, and more uniform than the earlier types. Recommended for the main crop in the home garden. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Penn State Ballhead. About 105 days. A heavy yielding strain of the short stem Danish Ballhead type. Yields as high as 26 tons per acre have been recorded. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Vaughan's Select Early Jersey Wakefield. In about 62 days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Early Flat Dutch. In 90 days. Sure solid header; weighs 10 to 12 pounds. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.45.

Charleston Wakefield. About 73 days. Later than "Jersey Wakefield," with heads much larger and uniform. Does well on heavy soil. Pkt., 10c; oz., 45c; ¼ lb., \$1.25.

Vaughan's All Seasons. About 90 days. Suited to every growing season. Even when planted late it keeps well, and is of better quality than big ribbed winter sorts. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

All Head Early or Faultless. In about 78 days. Matures large, uniform handsome heads of unsurpassed quality. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.



RESISTANT CABBAGE BUGNER. Pkt., 20c.

LATE STANDARD VARIETIES

Danish Ballhead Short Stem. About 105 days. Or Dwarf Amager. This variety is almost identical with "Dutch Winter or Hollander." Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Vaughan's Premium Late Flat Dutch. In about 110 days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

*—Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

SAVOY CABBAGE

RICHER IN NUTRITION

This type of cabbage has leaves which are crumpled or savoyed instead of smooth, as in other types, and do not bleach white, but remain green and retain more vitamin A. The heads are not as tight as the smooth leaved type, but are of superior flavor, and are esteemed for table quality.

Improved American Savoy (Long Island strain). The best main crop variety of this type. The vigorous short stemmed plant bears a large, fairly solid head, sweet and tender. Pkt., 15c; oz., 75c; ¼ lb., \$2.25.

Collards

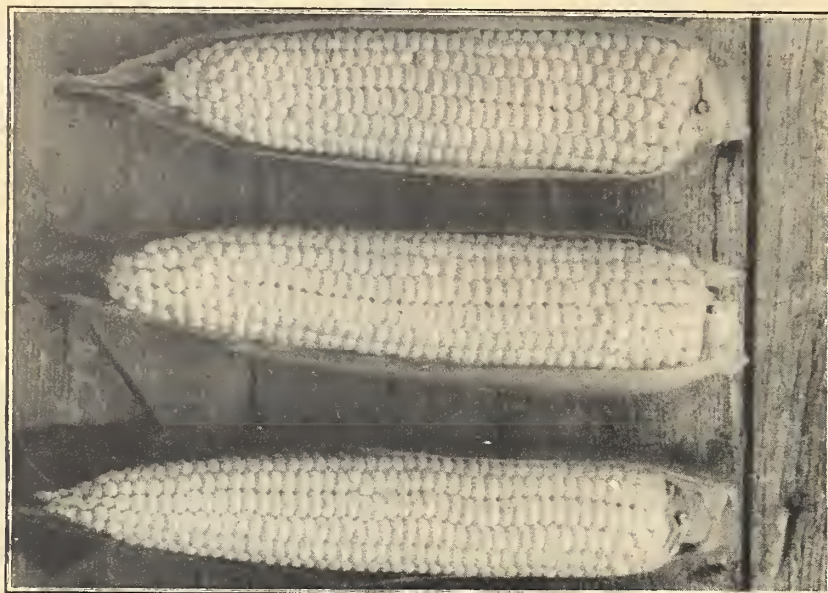
This is a relative of the cabbage which produces rosettes of green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days from sowing, and succession sowings should be made. Though used chiefly in the south, where it is too hot for cabbage, it may be grown in any part of the U. S. A. and is recommended for home gardens as a protective food. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



TYPICAL MATURE COLLARD PLANT

SWEET CORN

to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.



TOP TO BOTTOM, SURPRISE, OUR CHOICE AND GOLDEN NUGGET.

HYBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. In flavor, which many home gardeners consider the supreme point, the variety Our Choice is equal to Golden Bantam, some think better. Other hybrids will compare well in flavor with other open pollinated.

Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved by exhaustive tests in our trials.

A packet plants 40 hills; a pound 400 hills; 12 pounds an acre.

HYBRID RESISTANT

★**Golden Pride.** 68 days. From Connecticut Experiment Station. Compared with Our Choice, it is longer by one inch, supplies more cut corn, is fully as fine a kernel and has as good or better quality. We recommend it. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

★**Golden Treasure.** 66 days. Two weeks earlier than Golden Bantam and about five days earlier than Golden 60-Day. Of 120 different strains in our trials, this was the earliest of all. It has a larger ear than Golden Bantam, 12 rows of kernels of good, sweet flavor, producing 35% more shelled corn to the ear. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

★**Our Choice.** 68 days. Maturing two days later than Golden Treasure, this is the sweetest variety we know, not excluding Golden Bantam. It is heavy yielding, with a good size 12 row ear, and completely resistant. For the home garden this would be our choice for an early. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Surprise.** 64 days. 10 to 12 rows, golden yellow, ears 5 ½ to 6 inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. We can recommend this for your first early corn of good flavor. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Golden Nugget.** 68 days. An excellent early, 66 inches tall, well filled ear 7 ¼ inches long, 8 to 12 rows of kernels. The size of the ear recommends it more than the flavor, which is medium. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Bancross** (Vaughan's Top Cross Golden Bantam). 76 days. This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. It is earlier than its male parent and not as uniformly eight rowed as its female parent, though it may vary. One wishing the earliness and quality of Golden Bantam with resistance should try this. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c.

★**Marcross.** 75 days. This is Golden 60-day crossed with Purdue Bantam and has given us a cross that is practically the same as Golden 60-day with wilt resistance. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

★**Whippcross.** 75 days. Ten days later than Whipple's Yellow. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

Sweet Corn All Summer, 25¢

Collection No. 22. One Packet each, Earliest Golden Sweet, Golden Bantam, and Bantam Evergreen, prepaid for 25c. ½ lb. each, 50c; 1 lb. each, 85c.

OPEN POLLINATED YELLOW

★**Golden Bantam.** 80 days. Matures in about 80 days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled. To maintain this supreme quality, however, requires constant vigilance, and there is great variation in the seed sold under this name. Our strain is grown on our Michigan farm, where it is selected for size, uniformity and flavor, and runs much larger than the usual type, and has better flavor. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Extra Early Golden Bantam.** Matures in about 72 days. Prices are same as Golden Bantam.

★**Earliest Golden Sweet.** 53 days. To produce an earlier variety with the quality of Golden Bantam we have worked many years, and this is the best of many tested. It gives you Bantam quality twelve days earlier. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Vaughan's Bantam Evergreen.** 85 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

★**Whipple's Early Yellow.** About 87 days. A 14 rowed ear, 7 to 8 inches in length. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c.

Pop Corn

★**Golden Hulls.** Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

★**South American.** 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00; 10 lbs., \$1.75.

HYBRID SWEET CORN TEAM

All Season Hybrid Collection.

Four of our best hybrids maturing over a period of 3 to 4 weeks. If planted in separate rows all at one time will give you mature corn for the table sufficient for a family of four. 2 oz. of each variety, in separate packages making ½ lb. total for 35c.

★**Narrow Grain Hybrid.** 98 days. Same season as Narrow Grain Evergreen. Much more prolific in poor years. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

★**Country Gentleman Hybrid.** In about 99 days. Same season as Country Gentleman but better yield in poor years. Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.20.

★**Stowell's Hybrid.** Pkt., 15c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.25.

★**Ioana.** 83 days. Productive variety, highly resistant to drought and wilt. Plants tall and sturdy, with broad and numerous leaves. Ears 7 ½ to 8 in. long, 12-14 rowed, cylindrical, well filled with medium-narrow, light, yellow kernels. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

★**Vaughan's Golden Cross Bantam.** In about 79 days. Obtained by crossing the two strains produced by G. M. Smith of Purdue. It has the same resistance and will produce a heavier crop of more uniform ears. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 120.

To aid germination and increase vigor of early planted corn, treat with Semesan Jr., Ceiling price, 4 oz., 50c.

★**Golden 60-Day.** 68 days. It is bred from 60-Day White crossed with Golden Bantam. Except for color, same as 60-Day. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Vaughan's Black Sugar or Black Mexican.** About 85 days. Selected for large ears and high sugar qualities. Ears 10 rowed, 8 inches long. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

OPEN POLLINATED WHITE

★**Howling Mob.** 83 days. A large-eared fine second early corn. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.

★**Vaughan's Mammoth White Cory.** In about 67 days. The ears are long with 10 to 12 rows, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

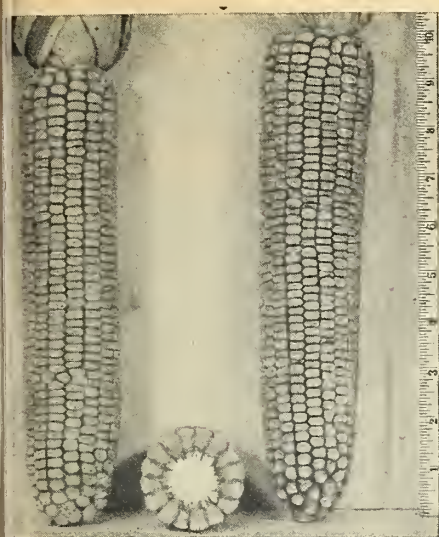
★**Early Evergreen.** About 75 days. It is earlier than Stowell's Evergreen and in northern localities is a surer cropper. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Country Gentleman.** About 95 days. The grain is small and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Stowell's Evergreen.** About 95 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. Vaughan's eastern grown seed develops a larger percentage of sugar than seed grown in the western states. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c.

★**Narrow Grain Evergreen.** 95 days. Similar to Stowell's Evergreen, but with narrower and smaller kernels. Used mostly by canners. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c.

★**60-Day White.** 68 days. Height 3 feet, ears 10 to 12 rowed, 6 to 7 inches. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c.



HIGHBRED HYBRID CORN, WISCONSIN CERTIFIED.

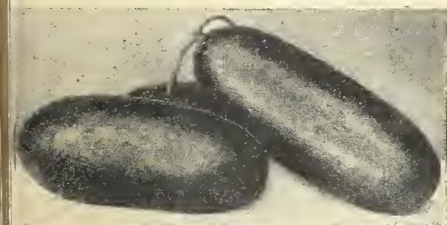
Certified Hybrid Field Corn

We carry only certified hybrids that are grown, inspected, graded, tested and certified under strict state supervision—in tests in several states the Wisconsin hybrids have outyielded many other hybrids by 10% and more and open pollinated strains by 30%.

Tell us your location and we will send you the strain that in our opinion is best adapted to your locality. We offer these vigorous hybrids in four strains, 105 day, 110 day, 115 day and 120 day.

| | | | |
|--------------------------|--------|---------|--------|
| | Peck | 1/2 bu. | Bu. |
| lat kernels (Edge Drop). | \$2.50 | \$4.50 | \$7.95 |

Above Prices Freight Paid.



ESTERFIELD'S CHICAGO PICKLE. Pkt., 10c.

Pickle Cucumbers

Grow Quick. 48 days. A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

Westerfield's Chicago Pickle. 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

West India Gherkin. About 60 days. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 15c; oz., 40c; 1/4 lb., \$1.20.

ational. About 56 days. The type is shorter than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The fruit being smaller, blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

reen Prolific or Boston Pickling. In about 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

arly Cluster. 55 days. Similar to Boston Pickling, but fruits come more in clusters. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

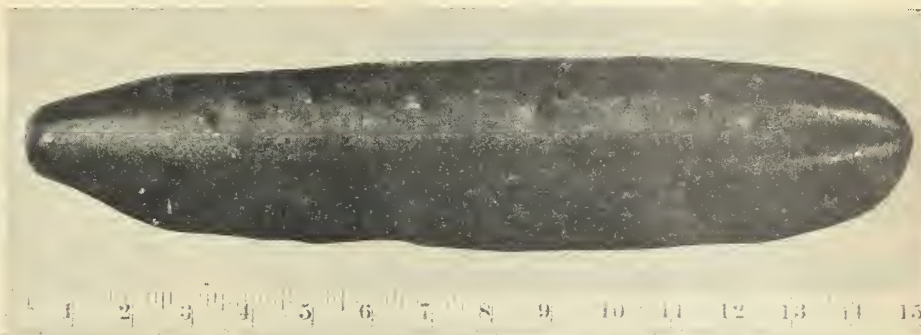
ENGLISH FRAME CUCUMBER

llison's Telegraph. In about 60 days. English greenhouse forcing. Pkt., 25c.

CUCUMBERS

Sow in hills three to six feet apart; six seeds 1 1/2 inch deep to

a hill, thinned to three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.



SPLENDID SALAD CUCUMBER—THE VAUGHAN. ABOUT 15 INCHES LONG. PKT., 10c.

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.

Home gardeners will have no trouble in producing from our strains fruits that excel in table quality. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and the Vaughan, largest of outdoor varieties.

★The Vaughan. **Matures in about 74 days.** The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 45c; 1/4 lb., \$1.35; lb., \$4.00.

★Colorado, or "A and C." 68 days. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Seeds form late in season and are few. Pkt., 10c; oz., 45c; 1/4 lb., \$1.35; lb., \$4.00.

Cucumber, Marketeer: 60 days. An ideal slicer for market and shipping. A dark green cucumber of the white spine type. Smooth uniform. Pkt., 25c; 1/2 oz., 45c; oz., 85c; 1/4 lb., \$2.50.

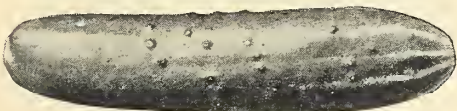
★Straight Eight. 60 days. A white spine which produces a high percentage of fruits perfectly straight, and 8 or more inches long. Pkt., 10c; oz., 45c; 1/4 lb., \$1.35; lb., \$4.00.

★Mincu. **Matures in about 45 days.** Its fruits averaging 4 1/2 inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

★Midget or Hill Cucumber. 70 days. Produced by Dr. Yager of the North Dakota Agricultural College and is the true hill type. The cucumber is about 6 in. long and 2 1/2 in. in diameter. Fit for any small home garden. Pkt., 15c; oz., 45c; 1/4 lb., \$1.20.

Earliest of All. About 60 days. A fair size, dark green White Spine. Of special value for first crop. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

Early Fortune. In 64 days. Medium length White Spine, much planted in the south. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.



CUCUMBER MANDARIN. Pkt., 10c.

★Mandarin. **Matures in about 45 days.** Earliest of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. It is 10 to 12 inches long, 1 1/4 to 1 1/2 inches in diameter, deep green, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 10c; oz., 45c; 1/4 lb., \$1.35; lb., \$4.00.

Vaughan's Improved Arlington White Spine. About 60 days. A heavy yielder; symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

Evergreen White Spine. About 60 days. A great blight resister. 8 to 12 inches long. Select stock. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

Davis Perfect. 65 days. Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

Deltus. In 72 days. A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.



CUCUMBER MINCU. Pkt., 10c.

Climbing. About 68 days. This is quite resistant to disease and insects. It is good quality and of a dark green color. May be grown on a trellis. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

Improved Long Green. In 68 days. Used for yellow chunk pickles. The vines are vigorous and productive; the fruit (12 inches long) has a distinctive flavor. Pkt., 10c; oz., 45c; 1/4 lb., \$1.35; lb., \$4.00.

White Wonder. 55 days. This variety of fine quality bears fruits 7 to 8 inches long which, when young, have pure white skin. Pkt., 10c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

FIRST RESISTANT CUCUMBER

Shamrock Resistant. 65 days. Resistant to Mosaic, early, uniform and satisfactory as a slicer or small pickler. A white spine variety 6 to 8 in. long. Pkt., 15c; oz., 40c; 1/4 lb., \$1.20; lb., \$3.50.

ODD CUCUMBERS

Lemon Cucumber. In 65 days. Not the Garden Lemon, though similar in appearance. It is a real cucumber. Pkt., 10c; oz., 45c; 1/4 lb., \$1.35; lb., \$4.00.

Serpent or Snake. In 80 days. A curious, twisted cucumber. Pkt., 10c; oz., 45c; 1/4 lb., \$1.35; lb., \$4.00.



NEW YORK PURPLE MINNOVAL BLACK BEAUTY

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity, flavor and yield.

★**Kissin.** Matures in about 70 days. The earliest and most prolific variety we have tried. On a small bush as many as 12 fruits are borne, each 6 inches long and 3 inches in diameter. This oval shape makes slicing easier, and the quality is superb. Color is a rich dark purple. Pkt., 15c; ½ oz., 35c; oz., 65c.

★**Black King.** 75 days. This new hybrid is a heavy yielder, a vigorous grower and earlier than other varieties. The fruit is about two-thirds as large as Black Beauty and the vines produce as many as thirty fruits. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

★**Black Beauty.** 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre. Pkt., 15c; oz., 65c; ¼ lb., \$2.00.

Improved New York Purple. About 83 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

Minnoval. 72 days. One of the earliest, it has firm, dark purple oval fruits, 6 x 7 inches, produced abundantly over a long season. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Horseradish Sets

Horseradish. The roots produce good Radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets, recovering the plant as fast as accomplished. Doz., 40c; 100, \$2.50; 1,000, \$18.00.

Martynia

100 days

The tender young seed pods, gathered when half-grown, make excellent pickles. Pkt., 10c.

Tobacco Seeds

Big Havana. A hybrid Havana. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.00.

Connecticut Seed Leaf. Best adapted to climate of middle and northern states. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.00.

Burley. The popular Kentucky sort. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.00.



VIENNA KOHLRABI EARLY WHITE.
Pkt., 15c.

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are striped and cooked like Turnips, but are much sweeter.

★**Early White Vienna.** 55 days. White and tender. Pkt., 15c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

Early Purple Vienna. About 55 days. Pkt., 15c.

Rhubarb

★**Flare.** A variety of erect, compact habit, medium leaves 23 inches long, with stalks of attractive red extending from base almost to tip. Flesh is of fine texture, tender, juicy and crisp. Pkt., 15c; ½ oz., 30c; oz., 50c.

Vaughan's Mammoth. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Victoria. A popular red strain. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Rhubarb Roots. Set in spring they will furnish leaf stalks the following year. Add postage.

| | Each | 3 | 10 |
|-----------------------|--------|--------|--------|
| Victoria, 1-year..... | \$0.25 | \$0.50 | \$1.25 |
| " 2-year..... | .35 | .75 | 1.50 |
| " 3-year..... | .50 | 1.00 | 2.25 |

McDonald Crimson, Divisions. Rich red, low acidity, thin skin, fine grain and fruity flavor. Each, 50c; 3 for \$1.20; 10 for \$3.50.

Flare, Divisions. Each, 40c; 3 for 90c; 10 for \$2.50.

Rutabagas

Mature in 90 days.

★**Vaughan's Improved American Purple Top** is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

Bangholm. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

Canadian Gem. Round medium size, quick growing, purple top, yellow flesh. It resists mildew and is of excellent flavor. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.



GARDEN HUCKLEBERRY

This is a novelty, well described by the above name, which bears racemes or bunches of black berries, tomato-shaped, ½ to ¾ inch in diameter, which make excellent pies and preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c; ½ oz., 30c; oz., 50c.

ENDIVE



ENDIVE GREEN CURLED. Pkt., 10c; oz., 25c.

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

Cos Endive. A new variety worth trying. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Full Hearted Escarole** (Broad Leaved, White). 92 days. Of the straight, smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Florida Deep Heart** 95 days. Similar to Full Hearted Escarole. It has a deeper heart and is more easily blanched. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Green Curled. In 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Moss Curled. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Rose Ribbed Curled. In 75 days. Has leaf ribs of red. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Ever White Curled. About 75 days. Very crisp. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Deep Heart Fringed. Deep self-blanching heart. Leaves are cut and curled at edges, growth upright, rib and heart white. Pkt., 10c; oz., 25c; ¼ lb., 65c.



ENDIVE FULL HEARTED (Escarole). Pkt., 10c.

Chicory

Witloof (French Endive). In about 150 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; direction: on packages. Pkt., 10c; ½ oz., 40c; oz., 75c.

Large Rooted Magdeburg. 65 days. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 75c; ¼ lb., \$2.25.

55 days. Cultivated
★**Asparagus Chicory.** for its fresh green shoots, which are boiled in salt water and served hot, or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

LETTUCE

Sow as soon as soil can be prepared, in 1/2-inch drill, 15 seeds to an inch. Feed well, to make it grow fast. Thin out first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart.

Make succession sowings to prolong harvest.



EXPRESS COS LETTUCE (ROMAINE). Pkt. 10c.



BLACK SEEDED SIMPSON LETTUCE. Pkt., 10c.

TASTY bowl salads not only delight the palate, but when made with green leaves, are rich in Vitamin A and other dietary necessities. Home gardeners may plan their sowings so as to have bowl salad materials throughout the season. Besides lettuce, endive of both curly and broad-leaved types (Escarolle) are excellent, as are cress and Finnochio. Heading varieties of lettuce may not head readily in hot weather sections, but they grow rapidly and produce an abundance of leaves. Says Emile Foially, salad chef of the Hotel Sherman's famous College Inn, Chicago: "Leaf lettuce and romaine are far more tender and better flavored; and take the salad dressing perfectly, which is important. And the doctors say their green leaves have more vitamins. What a combination!" Quick growth is essential for all leaf crops. Quantity needed to sow: 30 ft., 1 pkt.; 250 ft., 1 oz.

LEAF LETTUCE

★Lettuce Oak Leaf. 40 days. This novel variety excels in ability to withstand hot weather without turning bitter. Its leaves are small, tender, and deep green, testifying to their richness in Vitamins. It has the superior butter-type flavor. Pkt., 20c; 1/2 oz., 35c; oz., 65c.

★Black Seeded Simpson. Matures in about 46 days. Its large rich green leaves are thin, tender and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden.

Vaughan's Selected Stock. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

Grand Rapids. About 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

Early Curled Simpson. About 40 days. A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

Prizehead. 45 days. A popular, loose heading sort. Leaves crumpled, shaded brown; crisp, sweet and tender. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

Crisp as Ice. 74 days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.25.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor.

Express Cos. In 70 days. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

Paris White or Trionon. In 75 days. Grows to large size. Self-closing. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

FAST GROWING FOR POULTRY

New Chicken Lettuce. About 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. Pkt., 10c; oz., 30c; 1/4 lb., 75c.

HEAD LETTUCE

★Cosberg. 76 days. Small compact heads, firm, clear to pale green, withstands heat, somewhat resistant to blight. Matured tight heads in July, in Chicago last summer. Pkt., 10c; oz., 45c; 1/4 lb., \$1.25.

Cosberg 600. 65 days. This is an early sure heading lettuce under adverse conditions. A smaller head than Hanson or Iceberg. Has light green leaves with no bronzing effect. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35.

★New York No. 12. Matures in about 80 days. This is the variety grown in California and shipped the year around to eastern markets. It often weighs two pounds, stands hot weather well. We offer the highly selected strain known on the Pacific Coast as No. 12. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed, as soon as the soil is prepared. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35c.

★Iceberg. Matures in about 84 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

★New York No. 515. Matures in about 80 days. This is a cross between New York and Iceberg bred for resistance to tip burn. Excellent for the home or market garden. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35.

New York P. W. 55. 70 days. A crisp, hard heading, high quality lettuce having considerable resistance to tip burn. Pkt., 10c; 1/2 oz., 25c; oz., 45c. 1/4 lb., \$1.35.

★Improved Hanson. 80 days. This globe-shaped variety excels with vigorous growth in hot weather. It has broad leaves, beautifully crinkled, tender and sweet. The outside leaves are a deep green, and the inner ones almost white. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

★Imperial No. 44. 82 days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled. Pkt., 15c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35.

★Imperial No. 847. 84 days. Pkt., 15c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35.

Vaughan's All Seasons. About 80 days. In 1879 we introduced this distinctive variety. It is still a favorite. Heads are large, solid and handsome. It stands hot weather well and is slow to run to seed. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

Bibb. 57 days. Rather small head used as forcing lettuce in the South and shipped to the northern hotels where it has a reputation for its excellent quality. Leaves smooth, dark green, bleaching to a rich yellow. Pkt., 15c; 1/2 oz., 30c; oz., 50c.

May King. 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

Vaughan's Big Boston. 75 days. Large heads of bright green leaves, very tender. Pkt., 10c; oz., 35c; 1/4 lb., 85c.

California Cream Butter. About 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 35c; 1/4 lb., 95c.

Mignonette. In 67 days. A delicious, crisp, solid, small lettuce. Pkt., 10c; 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35.

Cress

Upland Cress. About 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; 1/2 oz., 30c; oz., 50c.

Curled Garden. About 65 days. Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00.

Dandelion

THICK leaf or cabbage variety. Cultivated for spring greens and salads, is fast gaining favor. Unlike common sorts, almost double usual size. Pkt., 10c; 1/2 oz., 30c; oz., 50c.

Finnocchio

Fennel, Florence. 85 days. It has an enlarged leaf base which should have the dirt drawn up around it when it is the size of a hen's egg. Height of plant, 2 feet. Directions for culture and use given with each order. Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., \$1.00.

VEGETABLE COOK BOOK 15c

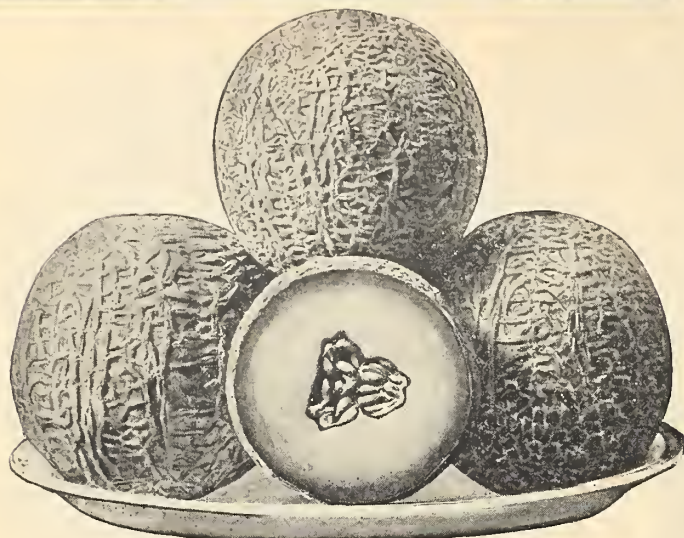
250 Recipes, Prepaid,.....

Americans must eat more vegetables and cook them so that their precious vitamin and mineral contents are preserved, if the nation is to be saved from malnutrition. The latest scientific method of cooking vegetables and 250 appetizing ways of serving them, are contained in this 50-page profusely illustrated publication of the Culinary Arts Institute. In war time when vegetables must be relied upon to maintain nutrition, this information is of vital importance to every family.



MUSKMELON

Grow in light soil, in full sun, where plants can be watered. Sow in hills, five or six feet apart each way, six seeds 1½-inch deep to a hill, thinning out to 3 plants.



HONEY ROCK. Pkt., 15c.

TO ONE who has tasted a Vaughan's Milwaukee Market or Hearts of Gold muskmelon ripened on the vine, quality in muskmelons has a new meaning. In no other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor, small seed cavity and thick flesh.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking. Quantity needed: for 20 hills, 1 pkt.; 100 hills, 1 oz.

★**Hearts of Gold.** 80 days. For the home garden, this is our idea of the most delicious variety that can be grown. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 15c; oz., 45c; ¼ lb., \$1.25.

★**Vaughan's Milwaukee Market.**

Matures in about 80 days. This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding on our Michigan farms, and has reached its highest point in seed from hand-cut, inspected melons. Seed from hand-cut, inspected melons—Pkt., 15c; oz., 45c; ¼ lb., \$1.35.

Standard Seed—Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Honey Rock (or Sugar Rock).** 85 days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size. An excellent home garden variety. Pkt., 15c; oz., 45c; ¼ lb., \$1.25.

★**Imperial.** 85 days. Pale cream color skin with small amount of coarse netting, but looking quite smooth. Yellow flesh and a faint Honey Dew flavor. Season of Milwaukee, very similar to Weaver's Special, but smaller and more subject to cracking. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Bender's Surprise.** 90 days. Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. An excellent home garden variety. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Pride of Wisconsin.** 85 days. This new variety seems to include many of the desirable characteristics of the Honey Rock. The rind is very hard, of a pearly gray color, with but a faint rib, heavily covered with a distinctive netting. The flesh is unusually thick with good flavor. Pkt., 15c; oz., 45c; ¼ lb., \$1.35.

★**Superb.** 90 days. Delicious, thick-fleshed with flavor blending Osage and Honey Rock. Grows 6 to 8 inches long, 5 to 7 inches in diameter. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Golden Marvel.** 90 days: (Golden Osage.) A melon varying in shape from round to oblong, with varying netting, small seed cavity and thick flesh of excellent flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Golden Oblong.** 87 days. It has the appearance of Honey Rock, 10 inches long, 6 inches in diameter; but superior flavor. George Swisshamer of Muskegon, Mich., says of it: "In the fashionable White Lake and Sylvan Beach, resorters prefer this melon over all others." Pkt., 10c; oz., 25c; ¼ lb., 75c.

★**Tip Top.** 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 10c; oz., 35c; ¼ lb., 85c.



DIXIE QUEEN. Pkt., 10c; oz., 35c; ¼ lb., 85c.

Newest Early Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines and use only hand tools in cultivation. Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

★**Stone Mountain.** 82 days. A new round melon having red flesh free from stringiness. Very productive and excellent for home use. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Stone Mountain Resistant No. 5.** 85 days. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Ice Box.** 70 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Cole's Early.** 80 days. The northern states' favorite. The flesh is rich, deliciously sweet and crisp. It is about 20 inches long, 12 inches through; not a good shipper. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Dixie Queen.** 85 days. The latest. It is semi-round, has very thin rind but stands shipping. Has white seed and deep red flesh. One of the sweetest. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Cuban Queen.** Like Dixie Queen, with black seed. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★**Ovid.** 75 days. Very similar to Red Russian, darker green, bright red flesh with black seeds. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Hale's Best No. 36.** 86 days. This is the improved Hale's Best type of outstanding merit. It not only is resistant to mildew and the ideal melon for shipping but is rapidly becoming a leader in other sections where ever Hale's Best is grown. The shape is oval, the size is medium with heavy net and a faint stripe which insures earliness. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Vaughan's Select Early Osage.** About 84 days. Not as large as Osage, but of equal quality. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Persian.** About 102 days. Perhaps the largest of all quality melons, but with too long a season to mature in the north. A fruit will weigh 10 lbs., almost spherical in form, heavily netted, with thick pink flesh, fine flavor. Pkt., 15c; oz., 45c; ¼ lb., \$1.35.

★**Honey Dew.** 110 days. An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter after being picked. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Banana.** In 98 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Emerald Gem.** In 87 days. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Mango Melon or Vegetable Peach.** 90 days. Makes splendid mangoes, stuffed like peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Rocky Ford Pink Flesh.** 95 days. Same as Rocky Ford Netted Gem except pink flesh. Pkt., 10c; oz., 35c; ¼ lb., 85c.

THE ROCKY FORD TYPE

★**Rocky Ford Netted Gem.** About 96 days. Of the green-fleshed muskmelons, Rocky Ford is the recognized standard of excellence. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Pollock.** 10-25. About 98 days. Salmon tint. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Red Russian.** Or Early Kansas. 85 days. seeds, thin rind and very solid center. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★**Klondyke.** Striped. In 90 days. Known as the best long black watermelon grown in California. The seeds are small, flesh a deep red. It has a remarkable flavor, stands short distance shipping but is more of a home type. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Klondyke Resistant No. 7.** 90 days. Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

★**Tom Watson.** In 92 days. The flesh is rich red; tenderly melting. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★**Sweet Siberian.** In 80 days. A very early variety of medium size, with yellow flesh of superb quality. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★**Improved Kleckley.** About 87 days. Similar to Kleckley's in shape, but larger and has harder rind. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Irish Gray.** In 90 days. A mottled greenish gray, equal of any. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★**Wilt Resistant Kleckley's No. 6.** 92 days. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★**Citron.** In 90 days. For preserves. Red or green seeded. Pkt., 10c; oz., 30c; ¼ lb., 75c.

★**Winter Watermelon.** 85 days. Like Honey Dew in size and long-keeping qualities. Prolific, and excellent flavor. Pkt., 10c; oz., 35c; ¼ lb., 85c.

OTHER GOOD WATERMELONS

★**Rattlesnake or Georgia Striped.** About 92 days.

★**Halbert Honey.** Matures in about 87 days.

★**Early Fordhook.** 85 days.

★**Golden Honey.** 90 days. Any of above, pkt., 10c; oz., 25c; ¼ lb., 65c.



PARSLEY, Champion Moss Curled. Pkt., 10c.

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt.; 200 ft., 1 oz.

★Vaughan's Champion Moss Curled.

In about 70 days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

★Vaughan's XXX Parsley.

In 75 days. Curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe. Pkt., 10c; oz., 25c; ¼ lb., 65c.



Hamburg Rooted Parsley. Pkt., 10c.

Plain or Italian.

In 72 days. Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Double Curled.

70 days. Dwarf, handsome green, curled variety. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Hamburg Rooted.

90 days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Evergreen.

In 80 days. Darkest green curled. All-America award. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Parsnips

PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide. Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.

★Vaughan's Marrowfat.

In 95 days. The illustration tells the story of uniform good size, fine shape, clean, smooth skin. In richness of flavor it is unequalled. For exhibition it is a winner. Pkt., 10c; oz., 40c.

Hollow Crown, Long Smooth.

About 95 days. Tender and sugary: one of the best. Our strain is a good selection. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Improved Guemsey.

95 days. An improvement over the parent, "Hollow Crown," but it is much larger in diameter, though not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Ideal (All-America).

About 95 days. Shorter than Hollow Crown and freer from side roots; tender, uniform and slightly hollowed neck. Washes up a good white. Pkt., 10c; oz., 40c; ¼ lb., 75c.

Short Thick.

90 days. This little parsnip makes a fine garden vegetable. The tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of 2½ to 3½ inches and a length of only 6 or 8 inches at the thickened part. Pkt., 10c; oz., 45c; ¼ lb., 85c.

PEPPERS

Vitamin content increases as green pods turn red.

Plants started eight weeks before are set out one week after frost proof date. Harvest continues until frost, if vines are picked clean.



MAGNUM DULCE

RUBY KING

CALIFORNIA WONDER

HUNGARIAN

Sweet and Hot Varieties

LIKE egg plants and tomatoes, peppers should be started indoors. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family. One packet produces 75 plants; one ounce, 1000 plants.

★Early California Wonder.

Matures in about 60 days. A quality giant is recommended for the home garden. Mild, sweet, midseason, it produces fruits 4 by 4½ inches, with thick flesh and bright crimson coloring. Pkt., 15c; ½ oz., 45c; oz., 85c.

★California Wonder.

About 75 days. A mild, sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 40c; oz., 70c.

★"Windsor A."

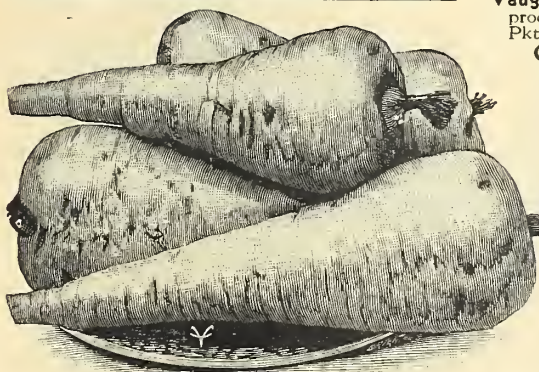
70 days. Similar in structure to California Wonder but more productive and earlier. Pkt., 10c; ½ oz., 35c; oz., 65c.

★Vaughan's Giant Magnum Dulce.

In 67 days. This mild pepper grows to immense size—7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 40c; oz., 70c.

PEPPER PLANTS

Well grown pepper plants of Harris Early Giant, or Assorted Varieties of our selection, will be shipped to any point in Wisconsin, Michigan, Indiana and Illinois for: 25 plants, postpaid, 80c; 50 plants \$1.25; 100 plants \$2.00, by express collect. Not less than 12 plants of a variety. Tomato and Pepper plant orders may be combined. Plants shipped as requested, after May 1.



PARSNIP HOLLOW CROWN. Pkt., 10c.

★Harris' Early Giant.

63 days. Heavy yielder also earlier. The plants are vigorous; peppers 4 by 4½ inches. Color, deep green turning to red; very sweet. Pkt., 10c; ½ oz., 35c; oz., 60c.

World Beater.

About 75 days. Fruits 5 by 3½ in. diameter; flesh thick and mild; very productive and a good shipper. Pkt., 10c; ½ oz., 35c; oz., 65c.

Crimson Giant.

About 70 days. One of the earliest large red. The peppers are green when young and a rich red when ripe; flesh thick, sweet and mild. Pkt., 10c; ½ oz., 45c; oz., 75c.

King of the North.

In 64 days. A sweet medium short and blocky. Not quite as early as Early Giant. Pkt., 10c; ½ oz., 40c; oz., 70c.

Chinese Giant.

80 days. Grows 4 to 5 inches broad on top and of equal length, mild flavored and makes a very fine salad sliced and served like tomatoes. Pkt., 15c; ½ oz., 40c; oz., 75c.

Hungarian (Hot).

In 65 days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 10 inches long. Pale green turning to red. Pkt., 15c; ½ oz., 40c; oz., 70c.

Hungarian (Sweet).

In 65 days. Same as above, but sweet. Pkt., 15c; ½ oz., 40c; oz., 70c.

Ruby King.

In 68 days. One of the most popular, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 10c; ½ oz., 35c; oz., 60c.

Bull Nose, Hot.

In 70 days. A pungent pepper. Pkt., 10c; ½ oz., 35c; oz., 60c.

Pimento Perfection.

In 73 days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 10c; ½ oz., 30c; oz., 55c.

Large Bell.

70 days. Large, mild. Pkt., 10c; oz., 60c.

Cayenne.

70 days. Long, red, hot. Pkt., 10c; oz., 60c.

Vaughan's Sweet Mountain.

In 70 days. Very productive; the flesh mild and thick, 6x4 inches. Pkt., 10c; oz., 60c.

Oakview Wonder.

In about 70 days. High quality combined with earliness, and high yield. Pkt., 10c; ½ oz., 40c; oz., 75c.

Oshkosh.

70 days. Small upright bush, fruit 4" x 3", deep green turning to yellow. Pkt., 15c; ½ oz., 40c; oz., 75c.

Red Cherry.

70 days. Pkt., 10c; ½ oz., 40c; oz., 75c.

Golden Queen.

In 78 days. Pkt., 10c; ½ oz., 40c; oz., 70c.

Tabasco.

About 95 days. Hottest of all. Pkt., 15c; ½ oz., 40c; oz., 75c.

Red Chili.

75 days. Good hot pickling. Pkt., 10c; ½ oz., 40c; oz., 70c.

Chili Anaheim.

In 80 days. Pkt., 10c; ½ oz., 40c; oz., 70c.

Pimento Sunnybrook.

About 73 days. Pkt., 10c; ½ oz., 35c; oz., 65c.

Grow Your Own Mushrooms

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We give FREE with orders for our Mushroom Spawn a leaflet, "How to Grow Mushrooms."



PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One bottle equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. The spawn is dried thoroughly and wrapped in paper, with full directions how to grow mushrooms. Per carton.....\$ 0.90 25 cartons for...\$18.75 12 cartons for... 9.00 50 cartons for... 36.50 If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per bottle.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white and cream. Per brick.....\$ 0.35 Per 25 bricks....\$ 5.50 Per 5 bricks.... 1.50 Per 50 bricks.... 10.00 Per 10 bricks.... 2.75 Per 100 bricks... 18.00 If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy. Matures in about 50 days.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

White Velvet. 70 days. Produces pods larger than any other. Pkt., 10c; oz., 15c; ¼ lb., 30c.

White Lightning. 65 days. Similar to White Velvet, 6 in. longer pod, remaining tender for a greater period of time, making it much more desirable. Pkt., 10c; oz., 15c; ¼ lb., 30c.

Tall or Perkins Mammoth. 68 days. The long pods, measuring 4 and 5 in., are produced in great quantities. Pkt., 10c; oz., 15c; ¼ lb., 30c.

Dwarf Long Pod. 65 days. Low, stocky and productive, with long pods. Pkt., 10c; oz., 15c; ¼ lb., 30c.

Clemson Spineless. 55 days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 10c; oz., 15c; ¼ lb., 30c.



OKRA DWARF LONG POD IN OUR TRIALS. Pkt., 10c.

ONION SETS

Use large sets planted 2 inches deep for green onions, smaller one inch deep for mature onions; space the first one-inch apart, the second 3 to 4 inches. Plant with the earliest crops.



WHITE

RED

YELLOW

VAUGHAN'S BOTTOM ONION SETS



The first home garden harvest in the spring is young onions from sets. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

Quantity needed for 75 to 100 ft., 1 lb.

White Bottoms. Our sets of these are very choice, small, dry and unsprouted. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs., \$3.25.

White Sets being very scarce, when they are exhausted, we will substitute Yellow unless customer specifies otherwise.

Yellow Bottoms. Fine dry sets, medium in size and unsprouted. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs., \$3.25.

Red Bottoms. Bright, deep red in color, even and dry. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs., \$3.25.

Golden Globe. Sets. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs., \$3.25.

Globe Sets. Red, yellow and white. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs., \$3.25.

White Multipliers. Especially valuable for the First Early Spring Bunch Onion. They are of a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions from other sets. There are usually several stalks from a single bulb and in this way they are very productive. Their most important quality is extreme earliness, being ready for eating ahead of any other kind. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs., \$3.25.

Yellow Multipliers. Flavor much superior to ordinary onions. Lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60; 10 lbs., \$3.00.

Yellow Potato. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs., \$3.25.



EGYPTIAN OR RED PERENNIAL SETS

Egyptian or Red Perennial. For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell in fall only, to be planted for early spring crop. Lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.75.

Pound and two pound prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound.

The largest onions may be grown from sets ½ to ¾ inches in diameter.

BERMUDA ONION PLANTS

These are especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern gardens, to produce sweet, mature onions of Bermuda quality. Ready April 1st. Per bunch of approximately 100, 45c, postpaid. Ten bunches, approximately 1000, \$3.00, postage extra; weight about 6 lbs. per 1000.

Garlic Sets

Selected Bavarian. In about 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 35c; 10 lbs., \$2.75. Postage extra. Write for latest market prices on quantities.

Chives

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The leaves are used for seasoning. The flowers are a beautiful lavender. Pkt., 25c; ½ oz., \$1.25; oz., \$2.00.

Leeks

Leeks are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

★Elephant. Largest of all leeks. Pkt., 15c; ½ oz., 45c; oz., 85c.

Large Musselburg. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 15c; ½ oz., 45c; oz., 85c.

Broad Scotch or London Flag. Hardy; a strong plant, with broad leaves. Pkt., 15c; ½ oz., 45c; oz., 85c.

Large Carentan. Pkt., 15c; ½ oz., 45c; oz., 85c.



LEEK ELEPHANT. Pkt., 15c.

ONIONS

Sow with the earliest crops, in rich soil, in drills $\frac{1}{2}$ inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

PLANT breeders select for parents, specimens which do well in their breeding grounds. If bred in Illinois, the progeny of these plants will be resistant to Illinois hazards, and will have a liking for similar soil and climate.

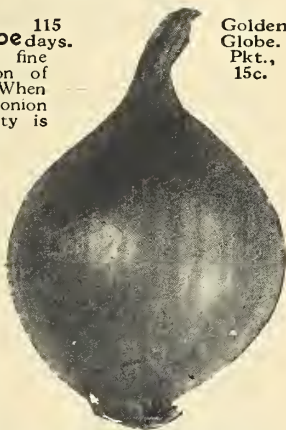
Breeding work in California necessarily develops strains that thrive under the unique California conditions but which might not thrive so well elsewhere. Because of this we breed all our onions in Illinois, so we can know that our strains are adapted to the conditions of soil and weather which prevail in the great area lying east of the Rocky Mountains to the Atlantic Ocean, where our seed is chiefly grown. Liking for this environment is bred into our onion strains.

Our strains are grown from mature onions which have been carefully inspected for conformation to type, and excel in productiveness and uniform quality. The small additional cost over ordinary seed is insignificant compared to the great improvement in your crop. Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

Onions for Winter Keeping

★Golden Globe ¹¹⁵ days.

An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior, making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.50.



Golden Globe. Pkt., 15c.

Brigham Yellow Globe Onion. 110 days.

A strain of Southport Yellow Globe. While not as uniform in shape, it is among the best in production and keeping qualities. It may be grown successfully on either muck or heavy soil. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Ohio Yellow Globe. In 110 days. Of uniform shape, beautiful color and fine size, it out-classes the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite. Pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.50.

Vaughan's Ideal White Globe. About 110 days.

A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 20c; $\frac{1}{2}$ oz., 65c; oz., \$1.20; $\frac{1}{4}$ lb., \$3.50.

Vegetable Garden Book, Prepaid, 30c.

We recommend the "Pocket Book of Vegetable Gardening," by Charles H. Nissley, a book of 245 pages giving all necessary information on vegetable gardening. Ceiling price, by mail, 30c.; over the counter, 25c.

★Southport Yellow Globe. Ball type. In about 110 days.

For growing on muck soil, this is the best keeping strain we have been able to develop in years of growing and selecting. This is the most uniform strain and will keep in storage longer than any other we know. It is preferred by large onion growers. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Southport Red Globe. About 110 days. A little deeper than Southport Yellow Globe, in color a rich dark red. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$2.00.

★Vaughan's Special Yellow Globe. ¹⁰⁰ days.

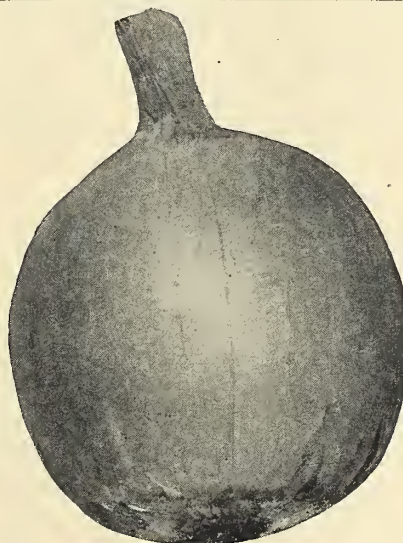
("MOUNTAIN" DANVERS.) Slightly smaller than Southport. When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Large Red Wethersfield. About 100 days.

An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class in the south and southwest. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$2.00.

Fancy Yellow Globe Danvers. About 110 days.

This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.50.



SOUTHPORT YELLOW GLOBE. Pkt., 15c.

Onion Seed of Flat and Pickling Types

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

White Portugal or Silverskin. About 100 days.

This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c; $\frac{1}{2}$ oz., 60c; oz., \$1.10; $\frac{1}{4}$ lb., \$3.25.

Brown Australian (Flat). About 100 days.

A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder and a long keeper; keeps well in warm climates. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$1.85.

Ebenezer. In 100 days.

There has been a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer Onion Sets produce a much larger tonnage of marketable onions than does the old Strasburg or Danvers. Moreover, a smaller percent of the sets run to seed. Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.90.

ITALIAN ONION SEED

Vaughan's Pickling. About 90 days.

One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 15c; $\frac{1}{2}$ oz., 60c; oz., \$1.10; $\frac{1}{4}$ lb., \$3.25.



VALENCIA SWEET SPANISH FROM A MIDWESTERN GARDEN. Pkt., 20c.

Spanish or Bermuda

★Valencia Sweet Spanish. ¹¹⁰ days. Matures in about 110 days.

Here is a mild, sweet, giant onion of the true Spanish or Bermuda type, which you can grow from seed in your own garden. From seed it will produce onions weighing a pound; if started in the hotbed, two pound specimens can be grown. It takes two or three years for us to produce seed in Illinois, and the crop is always light, but the quality justifies the increased cost of seed. These onions are delicious at all stages of growth and will give you something to boast about. Pkt., 20c; $\frac{1}{2}$ oz., 65c; oz., \$1.20; $\frac{1}{4}$ lb., \$3.50.

★Riverside Sweet Spanish. ¹¹⁰ days. This is a California grown strain of the Spanish (Denia) onion.

With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4 $\frac{1}{2}$ pounds. In color it has a cream or pale yellow tint. Pkt., 15c; $\frac{1}{2}$ oz., 55c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00.

★Prizetaker—American Grown. ¹⁰⁵ days.

Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.50.

Crystal White Wax. In about 90 days.

This is a pure white flat onion, very popular in the south, especially in Texas. Will make but small onions in the north. Very sweet. Teneff seed. Pkt., 15c; $\frac{1}{2}$ oz., 55c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00.

Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you backyard Bermudas with little trouble.

PEAS

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 8 inches apart, with support between. Crop must mature before hot weather.

Eat Your Own Peas Six Weeks for 25¢



EARLY GILBO. Pkt., 15c.

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

DWARF

***Little Marvel.** 64 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

***Giant Stride.** 74 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find the new Pea Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. It makes a vine 16 to 18 inches tall, dark green, with pods longer than Laxton's Progress and better filled with peas of excellent flavor. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

***Early Gilbo.** 72 days. A new pea from one of our oldest pea growers. Rogers Brothers have perfected what they consider one of their best market garden varieties and have named it after one of their oldest breeders. Vine 24-28 inches tall, very dark and heavy. Pod 4½-5 inches long by ½ to ¾ inches wide, of the Dwarf Alderman type. Season 69 days. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 3 lbs., \$1.25.

Nott's Excelsior. In 62 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.



LAXTON'S PROGRESS. Pkt., 10c.

***Century of Progress.** 62 days. The earliest growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

***Laxton's Progress.** 62 days. The earliest large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

Hundredfold. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

Sutton's Excelsior Improved. In about 63 days. It is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. Very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, dark green color. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

American Wonder. 61 days. Among the oldest of the home garden peas it is being superseded by Nott's Excelsior and Little Marvel. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

Premium Gem. 64 days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

Dwarf Telephone or Daisy. About 76 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

Dwarf Defiance or Stratagem. About 79 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

VEGETABLE GARDEN BOOK Prepaid, 30c.

We recommend the "Pocket Book of Vegetable Gardening," by Charles H. Nissley, a book of 245 pages giving all necessary information on vegetable gardening. Ceiling prices, by mail, 30c, over the counter, 25c.

Sow in Early Spring
LITTLE MARVEL—Dwarf, Early
EARLY GILBO—Dwarf, Main Crop
CENTURY OF PROGRESS—Dwarf, Late
1 Pkt. of Each (3 pkts.),..... 25c.
½ lb. of each (1½ lbs.),..... 50c.
1 lb. of each (3 lbs.),..... 85c.

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

***Vaughan's Improved Telephone.** 74 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 5 lbs., \$1.50.

Everbearing. About 74 days. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.25.

EDIBLE POD PEAS

(Cooked like String Beans)

Dwarf Gray Sugar. About 65 days. Vines 16 inches. Pkt., 10c; lb., 45c; 2 lbs., 85c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

***World's Record or Improved Gradus.** 60 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

Thomas Laxton. About 62 days. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c.

Alaska—Called Earliest of All. In about 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.00.

Pea Cultural Notes

Peas should be sown when the ground is ready to work, without delay. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart.

To Mail Order Buyers

See your Order Blank on Page 7 for special Mail Order Offer on packets, ½ lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

Northern Potatoes

CERTIFIED STOCK

WE offer Michigan and Minnesota certified stock, inspected while growing by authorized state agents and found grown from vigorous fields and free from serious diseases and varietal mixture. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed.

The prices in this catalogue represent values at the time this book went to press and are subject to market changes.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the east and the latter in the west. One of the rural type is recommended for the late crop.

Warba Resistant. Warba is a new potato bred by the Minnesota Experiment Station, which is early, highly productive, resistant to mosaic disease, with upright compact vines. Tubers of excellent cooking quality and uniform size are round and blocky, of white flesh and pale skin with pink eyes, ten days earlier than Early Ohio. 5 lbs., 50c; 10 lbs., 85c; 30 lbs., \$1.85; 60 lbs., \$3.50.

Extra Early Six Weeks. The standard early potato in the south. It is round, reddish skinned, with rather deep eyes; of medium size. As they appear early in the spring on the northern market they command a large premium. 5 lbs., 40c; 10 lbs., 75c; 30 lbs., \$1.75; 60 lbs., \$3.25.

Irish Cobbler—Early Heavy Cropper. An early of medium size, and in light soil maturing almost as soon as the smaller cropping earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota. 5 lbs., 40c; 10 lbs., 75c; 30 lbs., \$1.75; 60 lbs., \$3.25.

Chippewa. Very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. 5 lbs., 50c; 10 lbs., 85c; 30 lbs., \$1.85; 60 lbs., \$3.50.

Russet Rural. A mid-season late potato giving a heavy set of good sized potatoes, russet color outside, but inside a good clear white. Preferred in many sections to the Rural New Yorker. 5 lbs., 40c; 10 lbs., 75c; 30 lbs., \$1.75; 60 lbs., \$3.25.



IRISH COBBLER.
5 lbs., 40c.

Vaughan's Improved Early Ohio (Red). A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. 5 lbs., 40c; 10 lbs., 85c; 30 lbs., \$1.85; 60 lbs., \$3.45.

Katahdin. Originated in Maine by the U. S. Dept. of Agriculture, it takes its name from Mt. Katahdin. The government spent \$250,000 in producing this variety. It is a slightly oval white, very smooth, with shallow eyes. The vines are light green and vigorous. So far no trace of mosaic has been found on plants of Katahdin. It ripens about a week earlier than Rural New Yorker and has consistently out-yielded Rural New Yorker and Green Mountain, and grades out with a smaller percent of No. 2 grade and culls. The type is very uniform and in cooking and eating qualities it is unsurpassed. Katahdin does well on rich peat soils and on muck. 5 lbs., 50c; 10 lbs., 85c; 30 lbs., \$1.85; 60 lbs., \$3.50.



Field run pumpkins from our trials. Left to right: Top row: Mammoth French, Big Tom, Large Cheese, Mammoth Prize. Middle row: Colonial Pie, Golden Cushaw, Striped Cushaw, White Cushaw. Lower row: Bush or Everbearing, Sugar Pie, Winter Luxury, Kentucky Field.

Big and Small Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

★Autumn, Bush, or Everbearing. In 100 days. For the first time we offer a genuine bush form pumpkin, a boon for the home garden where space is limited. On a bush similar to that of Italian marrow, requiring a space 4 ft. square, it bears small pumpkins, excellent for pies. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

★Vaughan's Small Sugar Pie Pumpkin. 110 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

★Large Field or "Big Tom." 110 days. The pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.



BUSH PUMPKIN. Pkt., 10c. Fine for Small Gardens.

Cushaw. 110 days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Vaughan's Mammoth Prize. In about 120 days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$1.75.

Winter Queen or Winter Luxury. In about 100 days. A quality pie pumpkin and the best winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$1.75.

Colonial Pie. About 110 days. Fine quality, good keeper. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Large Cheese. About 110 days. Large, flat like a cheese box. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Kentucky Field. In 120 days. Medium size, oval shaped, lemon-yellow color. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.

SWEET POTATOES

We offer Yellow Jersey, Nancy Hall and Porto Rico. 10 lbs., 95c; bu., \$2.65 by express collect only.

SWEET POTATO PLANTS

100 plants, 85c; 200 plants, \$1.40; 500 plants, \$2.75; 1,000 plants, \$4.50, postpaid. 1,000 plants by express collect, \$3.50.

Varieties Nancy Hall, Porto Rico, and Yellow Jersey are offered, shipped direct from our growing station in Southern Illinois. They will be ready for shipment from April 15 to June 15. Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

TREAT WITH QUICK, EASY SEMESAN BEL

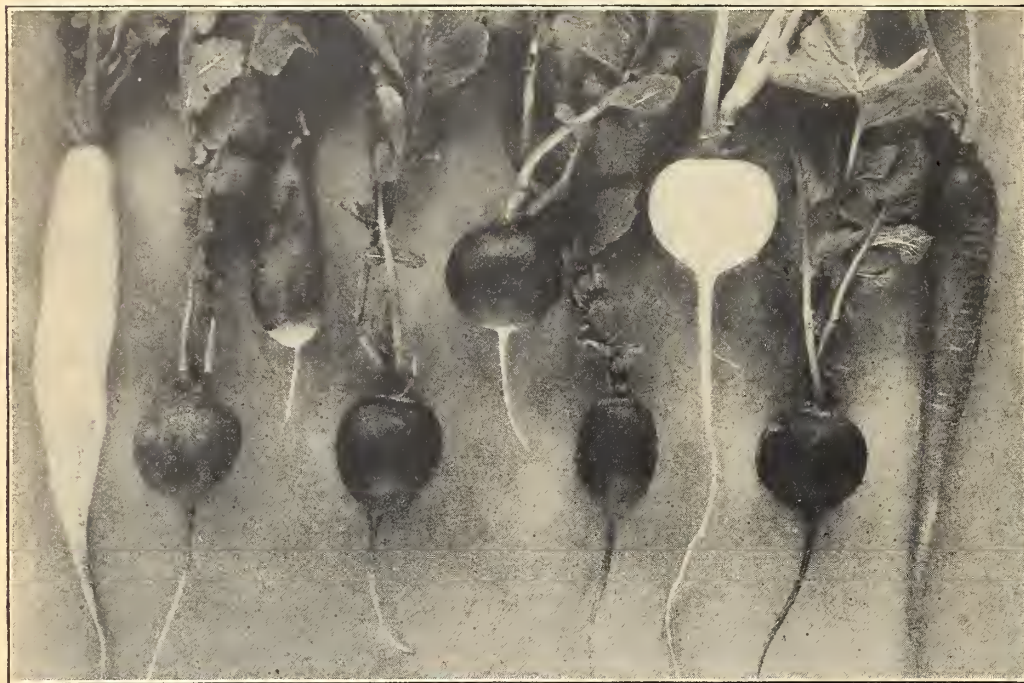
DIP FOR LARGER POTATO CROPS

A one minute dip in Semesan Bel solution will reduce scab and rot, even when used on clean seed potatoes. Increases in yield usually result. Directions for treatment are supplied. One pound treats 60 to 80 bushels. Prices of Improved Semesan Bel: ceiling prices, 2 oz., 30c; 1 lb., \$1.65; 5 lbs., \$7.15; 25 lbs., \$33.25; 100 lbs., \$125.00.

RADISH

Sow with earliest crops, in 1/2-in. drill, 15 seeds to the in. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to mark the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

★**Giant Butter.** 28 days. By far the largest of the early turnip radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is usable for a much longer season before it begins to turn pithy, and by planting a succession of crops it can be enjoyed throughout the summer. It is seldom found in the market and will make your friends talk. Pkt., 10c; oz., 20c; 1/4 lb., 50c.



Iceicle Crimson Globe French Breakfast
Scarlet Globe Sparkler
Vick's Scarlet Globe Saxa Cincinnati Market



RADISH, GIANT
BUTTER. PKT.,
10c; OZ., 20c.

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

SUMMER RADISHES

When hot weather comes and spring varieties would turn pithy or run to seed, the varieties listed below will keep in good condition for a long time and furnish a most welcome tang to the salad course. Note that they mature more slowly, so sow them early enough. All of the following:

Price, pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Long White Vienna. In 29 days. Snow white, very brittle and crisp.

White Stuttgart. About 45 days. A turnip shaped large white radish.

White Strassburg. About 40 days. Larger size and thicker than Vienna. Very solid.

Long Season Radish Mixture.

1/2 oz. pkt., 15c.

This is a mixture composed of equal parts of the following early midseason and late varieties: Scarlet Globe, Giant Butter, Iceicle, Brightest Long Scarlet, and White Stuttgart. Sow thinly in the row, and harvest as they mature. This mixture will provide an interesting assortment of radishes for the table, spread over two months of harvest.

WINTER RADISHES

These should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following, pkt., 10c; oz., 15c; 1/4 lb., 45c; lb., \$1.25.

California Mammoth Winter. About 60 days. Long, very large size.

Rose or Scarlet China. In about 52 days. Rose, medium size, fine keeper.

Chinese Mammoth or Celestial. About 60 days. Immense size, flesh always crisp and mild.

Black Spanish, Long. In 58 days. Black skin and white flesh.

Black Spanish, Round. In 56 days. Like Long Black, only round.

(F.) Forcing Sorts.

★Varieties designated by a star as illustrated on this page are recommended as of especially fine strains and suited to the home garden.

Make Small, Frequent Sowings of These

★**Early Scarlet Globe Select.** (F.) 20 days. Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

Short Top—Pkt., 15c; oz., 25c; 1/4 lb., 50c; lb., \$1.50.
Medium Top—Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

★**Scarlet Turnip White Tip.** 26 days. Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for Open Ground. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

★**Iceicle.** 25 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25.

Saxa. (F.) 20 days. This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; 1/4 lb., 45c; 1 lb., \$1.25.

Vick's Scarlet Globe. An olive shaped Scarlet Globe Radish maturing in 20 days. Remains firm and tender. Pkt., 15c; oz., 25c; 1/4 lb., 50c; lb., \$1.50.

Early Long Scarlet Short Top. 28 days. A long, straight, smooth, red radish; it grows partly above ground, developing a long, tender, crisp and sweet root. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Brightest Long Scarlet. 28 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Improved French Breakfast (F.) 25 days. Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Cincinnati Market. 30 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Early Deep Scarlet Turnip. 26 days. An old standby. Pkt., 10c; oz., 20c; 1/4 lb., 50c; lb., \$1.50.

Radishes supply, in a 2 oz., portion, 61 U of Vitamin B1, 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2. Sow them thinly with slow germinating seeds such as carrots, parsnips, and parsley and harvest the radishes before the companion crop begins to mature. Make frequent sowings of the early types in small quantity.

To Mail Order Buyers

See your Order Blank on Page 7 for special Mail Order Offer on packets, 1/2 lb. and 1 lb. units of Peas, Beans and Corn, which will save you money on these important food crops.

VITAMIN-RICH GREENS



SPINACH KING OF DENMARK. Pkt., 10c.

Spinach

SPINACH delights in cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamin investigation.

★**Viking.** 45 days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 50c.

King of Denmark (Antvorskov). 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes), compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 50c.

Bloomsdale Long Standing. 45 days. Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 50c.

★**Nobel Giant Thick Leaved.** 45 days. The seed of this thick-leaved variety produces the largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Bloomsdale Dark Green. 43 days. The leaf is savoyed, or crinkled, and of a darker green than Bloomsdale Long Standing. The dark color is preferred in some markets. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Princess Juliana. In 50 days. This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious; i. e., there are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Old Dominion. 40 days. The same as Virginia Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long standing qualities, which permit early fall planting. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

Vaughan's Special. In 43 days. An early, smooth leaved spinach, being more upright in growth than other spinaches and nearly a long standing variety. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Prickly Seeded Hollandia. 43 days. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 65c.

Bloomsdale or Norfolk Savoy-Leaved. About 40 days. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

NEW ZEALAND SPINACH

★**New Zealand Spinach.** *Tetragonia Expansa.* 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.



NEW ZEALAND SPINACH. Pkt., 10c.

Garden Sorrel

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c.

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2 1/2 feet apart. Dwarf sort can be sown later. Frost improves flavor.

Dwarf Green Curled Kale. In about 55 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Vaughan's Excelsior Moss Curled Kale. Ready in about 55 days. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Tall Green Curled. About 60 days. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

Siberian. In 65 days. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.



CUT & COME. LARGE WHITE RIB. SWISS CHARD. Pkt., 10c.

Swiss Chard

★**"Cut and Come Again."** 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaflet of recipes enclosed upon request. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

Lucullus Swiss Chard. About 55 days. A new Moss Curled sort. Very large leaves. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

Large White Rib (Dark Green). The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

Fordhook. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

Rhubarb Chard. A recent introduction having exceptional color. It has dark green, heavily crumpled leaves and crimson stem and mid rib. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 50c.

Mustard

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

Chinese Smooth. Large, light green, smooth leaves, borne well above the ground. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Florida Broadleaf. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Giant Southern Curled. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Improved Ostrich Plume (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

White. Good for general use. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

New Fast Grower

Tendergreen. A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is the only vegetable that is ready for table or market in 21 to 25 days after planting, and will produce 8 to 9 crops a year. An excellent addition to the list of greens. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

SQUASH

Sow 1 inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.



SQUASH BUTTERCUP. Pkt., 10c; oz., 25c.

SQUASH are growing in popularity with home gardeners. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer.

★Acorn, Table Queen, or "Des Moines."

Specify Green or Golden. Matures in about 58 days. In size equals a coconut, and a half, baked, serves one person amply. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green, even after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. (Cucurbita Pepo.) Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

Improved Acorn. Matures in about 65 days. Similar to the original Acorn, about ½ larger, having a rounded blossom end instead of pointed. Pkt., 10c; oz., 30c; ¼ lb., 50c; lb., \$1.50.

Buttercup. The seeds are centered in blossom end and the rest of the interior is heavy flesh. This is a winter keeper. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Sweet Potato Improved. (Delicata Resistant.) 100 days. Its vigorous vine, resistant to mosaic disease, produces fruits averaging 8 to 9 inches, 3½ to 4 inches in diameter. Cream skin is marked by green stripes; flesh thick, orange and of unsurpassed sweetness. Pkt., 10c; oz., 25c; ¼ lb., \$1.00; lb., \$3.00.

★"Sweet Potato." 100 days. It is an improved Delicata, as sweet as Table Queen. The fruit averages 6 to 8 inches long and it is thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

★"Kitchenette" (Hubbard). 110 days. Named "Kitchenette" because it is the smallest Hubbard, about 3 pounds. It is a glossy dark green, fully equal to any Hubbard. Pkt., 10c; oz., 35c; ¼ lb., 75c; lb., \$2.25.

★Vaughan's Chicago Warty Hubbard. 110 days. Vaughan's Chicago Warty Hubbard Squash has been bred to the highest quality; fruits are large, skin, rough dark green, flesh, bright orange, fine grained, rich and dry. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c.

New Brighton. 120 days. Of the Chicago Warty Hubbard type but twice the size. A very fine squash and well selected. This should be grown where the demand is for a large type. Pkt., 10c; oz., 35c; ¼ lb., 85c.

★Blue Hubbard. 110 days. A third larger than Chicago Warty and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Original Hubbard. In 110 days. Not as large as Chicago Warty, but in shape and quality it is similar. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Delicious. In 110 days. Specify Green or Golden. A fall and winter variety. The fruit varies from 5 to 10 pounds each. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

Prolific Straightneck. 55 days. Excels in tenderness, color, and productiveness. Served when about 6 in. long, it is a delicious treat. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.



SQUASH SWEET POTATO IMPROVED. (Delicata Resistant). Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

Mammoth White Bush. About 60 days. An improved selection of "Early White Bush," much larger and deeper, has fewer scallops, and is a heavier producer. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Yellow Bush. About 52 days. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Mammoth Chili. In 100 days. A popular exhibition sort. Specimens grow as large as 100 pounds. Rich orange yellow color. (Cucurbita Maxima.) Pkt., 10c; oz., 35c; ¼ lb., 75c; lb., \$2.25.

Early White Bush. About 55 days. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Yellow Summer Straightneck. In about 60 days. This is a desirable improvement over the crookneck type. It will pack easier and produce as heavily. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Banana Squash. In 105 days. Of sweet potato quality. 12 inches long, 6 inches in diameter, tapering at either end. Gray-green color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Squash, Green Gold. Pkt., 25c; oz., 50c; ¼ lb., \$1.50.

Boston Marrow. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Fordhook. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

Yellow Summer Crookneck. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



NEW ITALIAN MARROW IN FOUR STAGES OF GROWTH, ALL DELICIOUS

A HOME GARDEN WINNER.

★**New Italian Marrow or Zucchini.** 60 days. (Cucurbita Pepo.) When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the "baby" stage, 3 to 6 inches long. There are two strains, one light green with lighter markings, the other dark green or almost black. Both are the same shape and size.

Light Green Strain. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.

Dark Green Strain. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.

Cocozelle (Italian Vegetable Marrow). Ready in about 65 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

Zucca de Pergola. About 110 days. (Cucurbita Pepo.) Grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

Vegetable Marrow. About 100 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.



PURPLE TOP WHITE GLOBE TURNIP

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored.

★**Purple Top White Globe.** 57 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Purple Top Strap-Leaved. About 46 days. A table variety, fine, tender and deliciously flavored. It is broad shaped; medium size, white flesh, fine grain, splendid quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Golden Ball or Orange Jelly. About 65 days. Medium size, globular table turnip. Flesh yellow, sweet. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Early Snowball. In 40 days. Small, white, splendid quality. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Early White Milan. In 42 days. This can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Shogoin. 30 days. A turnip used principally for greens. The root is small but the top is like mustard tops. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Seven Top. 30 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Large Yellow or Amber Globe. In 76 days. Fine quality and sweet. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

Extra Early Purple Top Milan. About 42 days. An excellent medium size turnip; white flesh. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

White Egg. 60 days. Early, white skin, egg shape, tender. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

TURNIPS FOR STOCK

Cow Horn or Long White. In 70 days. Grows nearly half way out of the ground, carrot-shape, pure white. Oz., 15c; ¼ lb., 45c; lb., \$1.15.

TOMATO

Plants started six to eight weeks before are set out two weeks after frost-proof date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned, 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.

THE LARGEST TOMATOES

***Ponderosa—The Giant Tomato.** Matures in about 88 days. Of the large fruited varieties, this one is most popular. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. Pkt., 15c; ½ oz., 35c; oz., 60c.

Golden Ponderosa. Pkt., 15c; ½ oz., 40c; oz., 75c.

***Oxheart.** Matures in about 90 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but often weighs 3 lbs. Skin pink, almost seedless, firm, sweet flesh, slices well. Pkt., 15c; ½ oz., 50c; oz., 90c.

Golden Oxheart. Pkt., 20c; ½ oz., 55c; oz., \$1.00.

Beauty (Purple). 82 days. Vines, vigorous and heavy bearers, fruit large, uniform; very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Crimson Cushion or Beefsteak. In about 96 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

New King. 100 days. Exceptionally large pink fruit. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.60.

Prodigious. 100 days. Latest development by William E. Vail, of enormous size. We recommend this as being one of the largest tomatoes produced. Pkt., 25c; ½ oz., 65c; oz., \$1.25.

EARLIEST VARIETIES

***Bounty.** 60 days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson, North Dakota Experiment Station. Excellent for the home garden, very productive. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Bison. 60 days. Very early, small vine. Not good for staking. Pkt., 10c; ½ oz., 35c; oz., 60c.

***Firesteel.** 62 days. A small vine, large fruited tomato that is early, smooth, red through, of semi-acid flavor. For dry seasons there is nothing equal to it. It will set fruit when other types are dropping their blossoms. Pkt., 15c; ½ oz., 35c; oz., 65c.

***Vaughan's Select Earliana.** 66 days. Large, smooth, bright red tomato. This variety is compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 10c; ½ oz., 35c; oz., 60c.

Victor. 67 days. Compact vine, not suitable for staking. Pkt., 15c; ½ oz., 35c; oz., 65c.

Nystate. In 68 days. From N.Y. Experiment Station. Pkt., 10c; ½ oz., 30c; oz., 50c.

June Pink. In 69 days. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 10c; ½ oz., 30c; oz., 50c.

John Baer. About 70 days. Extra early red. Not quite so early as Earliana, though there is only a few days' difference. John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 30c; oz., 50c.

John Baer, Certified. Pkt., 10c; ½ oz., 35c; oz., 60c.

John Baer, Resistant. Pkt., 15c; ½ oz., 35c; oz., 65c.

Bonny Best. 74 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Chalk's Early Jewel. In 74 days. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Pan America. About 80 days. One of the latest Government developments for which they claim superiority in quality, firmness, and productivity. Pkt., 25c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

Pennheart. 74 days. Dr. C. E. Meyers of Penn. sylvania State College bred this large fruited, heavy yielding, early variety of the determinate growth type. While not suitable for pruning and staking, its vine requires a space 2x4 feet for good results. Pkt., 35c; ½ oz., 65c; ¼ lb., \$2.00.

MAIN CROP

Early Detroit (Purple). In 80 days. Bears uniform, large, handsome, smooth fruit through the long season, yielding more market than Beauty. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.60.

Essar. 95 days. Decidedly resistant to Verticillium Wilt. Pkt., 20c; ½ oz., 40c; ½ oz., 75c.

Vaughan's New York. About 80 days. It is a second early red-skinned, firm-fleshed tomato of high quality, good size and attractive appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Gulf State Market. About 80 days. This purplish pink tomato was developed from Early Detroit. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

New Globe. Matures in about 82 days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

MAIN CROP—Continued

Greater Baltimore (Indiana Strain). In about 83 days. Similar to Stone and very productive, fruits deep scarlet red often weighing 6 ounces; smooth and very solid. Pkt., 10c; ½ oz., 25c; oz., 45c.

Greater Baltimore (Indiana Strain) certified. Pkt., 10c; ½ oz., 30c; oz., 50c.

Dwarf Champion. About 86 days. Owing to its dwarf habit and upright tree-like growth, it is a great favorite. It is of medium size, very smooth, purplish pink. Pkt., 10c; ½ oz., 35c; oz., 60c.

Improved New Stone. About 86 days. One of the best main crop varieties, with smooth skin, small core, fine-grained flesh with little acidity. Pkt., 10c; ½ oz., 25c; oz., 35c.

Dwarf Stone—The Largest Dwarf Tomato. 92 days. It resembles "Dwarf Champion," but is of stronger growth and more erect. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

YELLOW TOMATOES

Orange King. 66 days. A small vine variety of true orange flesh and skin, not suitable for staking. It bears heavily in limited space, smooth fruits of medium size, thick flesh and mild flavor. Seed scarce. Pkt., 50c.

Jubilee. 90 days. Won bronze medal, 1943. All America trials. See page 3. Pkt., 25c.

***Mingold.** 85 days. Experience has shown this golden-yellow product of the University of Minnesota to be one of the most uniform and heavy yielding of all tomatoes, while its flavor is so mild it can be eaten like an apple. Pkt., 15c; ½ oz., 35c; oz., 65c.

Golden Queen. 84 days. Golden yellow. Pkt., 10c; ½ oz., 30c; oz., 50c.

TOMATO PLANTS

Well grown plants of the following varieties will be shipped to any point in Wisconsin, Michigan, Indiana and Illinois. 25 plants, post-paid, 80c; 50 plants, \$1.25. 100 plants \$2.00, by express, collect;

| | |
|-----------|-----------|
| Bounty | Marglobe |
| Earliana | Mingold |
| Firesteel | Ponderosa |

Balanced Assortment of Above

Not less than 12 plants of a variety. Tomato and pepper plant orders may be combined. Plants shipped, as requested, after May 1.



A CLUSTER OF PONDEROSAS

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 73 days.

Dwarf Pear. 73 days. Improved type. Pkt., 15c; ½ oz., 40c; oz., 75c.

Any of the following, pkt., 10c; ½ oz., 40c; oz., 75c.

Red Currant. Very small.

Red Cherry. Small fruit, bright scarlet.

Two Peach Tomatoes. Red or yellow.

Yellow Plum and Red Plum. Fruit 2 inches.

Yellow Pear and Red Pear. Distinct shape.

Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

Italian Canner. 75 days. A very productive, long hollow-shaped tomato. It is firm, not having any plop parts, and the walls are exceptionally thick. Pkt., 15c; ½ oz., 60c; oz., \$1.00.

FORCING TOMATOES

Choicest strains for greenhouse.

Bonny Best. Red. The most popular American variety, for forcing. Forcing strain.

Grand Rapids. Red. Lloyd. Red.

New Globe. Pink. Long Calyx. Red.

Michigan State. Sureset. Pink.

Any of above, pkt., 25c.

Globe. Pink. Pkt., 50c; ¼ oz., \$1.25; ½ oz., \$2.00; oz., \$3.50.

New Disease-Resistant Strains

***Break O'Day.** 70 days. Developed by F. J. Pritchard, of Washington, D.C.

A new wilt-resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.



BREAK O'DAY

Illinois Pride.

About 70 days. Illinois University selection, better producer on clay soil than Marglobe. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Early Baltimore. 73 days. Illinois University selection, thriving on all soils. Pkt., 15c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.60. Early Baltimore certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

Scarlet Dawn. In 70 days. Wilt and rust resistant, of deep red color, globe shape, heavy yielder. Pkt., 10c; ½ oz., 35c; oz., 60c.

***Pritchard (Scarlet Topper).** 76 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 10c; ½ oz., 30c; oz., 50c. Pritchard certified. Pkt., 15c; ½ oz., 35c; oz., 60c.

***Marglobe.** 77 days. A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 25c; oz., 45c. Marglobe certified. Pkt., 15c; ½ oz., 35c; oz., 50c.

Illinois Baltimore. 84 days. A selection made by Huelsen of Urbana, Ill. Maturing same season as Indiana Baltimore. Deeper through and having additional feature of being resistant. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Rutgers. In 86 days. New Jersey Experiment Station cross on Marglobe. One of heaviest croppers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Rutgers certified. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

Herb Plants

To insure an early crop of essential seasoning herbs we recommend the purchase of plants. Three plants of a variety will usually be sufficient for family needs.

All plants shipped direct from our growing station.

ANNUAL

Plants from 2½-inch pots of the following, ready May 1; Postpaid, each 30c; 3 of a kind for 65c. In lots of 25 or more, 10c each, by express collect. Bush Basil, Green Basil, Purple Holy Basil and Lemon Basil from Siam. Borage, Chervil, Florence Fennel, Sweet Fennel, Parsley, Summer Savory, Celery, German Chamomile and Garlic.

PERENNIAL

Plants from 2½ to 3 inch pots of the following, ready May 1; Post paid, Each 35c; 3 of a kind for 85c. In lots of 25 or more, 20c each, by express collect. Lemon Balm, Burnet, Roman Chamomile, Costmary, Germander, Horehound, Hyssop (pink, white or blue) Applemint, Woodruff, Bergamot Mint, Curly Mint, Spearmint, Round Leaved Mint, Catnip, Pineapple Mint, Peppermint, Lavender Cotton, Caraway, Green Lavender Cotton or Green Coral Plant, Lovage, Wormwood, Rue, Sage, Winter Savory, French Sorrel, Southernwood, Dwarf Southernwood, Tansy, Kitchen Thyme, Lemon Thyme Caraway Scented Thyme, Sweet Marjoram, Shallots, Skirret, Sweet Flag, Rampion and Yarrow and Oriental Mint.

Plants from 2½ to 3 inch pots of the following, ready May 1; Postpaid, Each, 40c; 3 of a kind for \$1.00. Rosemary, Lavender, True Tarragon, Aregano, Lemon Verbena, Rose Geraniums, Skeleton Rose Geranium, Mint Geranium, Nutmeg Geranium, Lemon Geranium, Lime Scented, Orange or Citrus Scented variety, Apple Scented, Apricot Scented, Coconut Scented, Cinnamon Scented, Fern Leaved, Gooseberry Leaved, Pretty Poppy, Prince Rupert, Lady Mary, Balm Scented, Camphor Scented, Lady Taylor, Pheasants Foot, Oak Leaved Geranium, Giant Oak Leaved Geranium and Fair Ellen.



Sweet Marjoram
Rue

Caraway
Catnip

Coriander

Thyme
Sweet Basil

Rosemary
Summer Savory

Anise
Sage

Plants for Your Herb Garden

Ten Annual Herb Plants, Your Choice, by Express, at Buyer's Expense, for \$2.00.
Ten Perennial Herb Plants, Your Choice, by Express, at Buyer's Expense, for \$2.50.

Herb Vinegars

After fresh herbs have been infused in vinegar many weeks, vinegars are strained, filtered, and sealed in attractive glass jugs. A handy way to add these flavors to salad dressings, sauces, meats, pickles, etc.

Basil—A spicy flavor.

Burnet—Delicate cucumber flavor.

Chives—Where a delicate onion-like flavor is desired.

Dill—Strong old flavor.

Fennel—Anise-like flavor.

Garlic—A handy way to add a suggestion of this flavor.

Mint—A basis for mint sauces; useful in many ways.

Tarragon—Much used in fine cookery.

Mixed Herb Vinegar—A careful blend of seven herbs, useful for many purposes.

A handy glass jug of any of the above, holding about 4 oz. Per Jug, 35c.

Boxed Collection of Four 4-oz. jugs, your selection of above, Per Box, \$1.35.

PIQUANT HERBAL JELLIES

Jaded appetites are tempted with jellies flavored with various herbs; and they make delicious and attractive accompaniments to the meat course. We have prepared six of these.

Sage and Cider—For poultry and pork.

Thyme and Grape—For beef and ham.

Marjoram and Lemon—For pork, beef or poultry.

Savory and Grapefruit—For lamb, duck and sausages.

Mint and Honey—For veal, lamb and turkey.

Rose, Geranium and Orange.

Glass Jars, any of the above, containing 3 oz. Per Jar, 35c.

Box of four jars, your choice, \$1.35.

Box of six jars, your choice, \$1.85.

TISANES OR HERBAL TEAS

Herb Teas in general are made by pouring boiling water over the dried herb (about one teaspoonful to each cup of water), allow to steep about ten minutes, strain. Serve plain or with lemon or honey. Milk and cream are taboo. A porcelain container, and not metal, is used as in making other teas.

Chamomile—Well known for its delightfully soothing quality.

Peppermint and Lemon Verbena—Delightful lemon flavor.

Mint—Very refreshing with slice of lemon, served hot or cold.

Alfalfa and Peppermint.

Linden Blossom

Sage

Each of the above, per jar, 40c.

MANY of the herbs so important in seasoning cooked dishes which we are accustomed to find in plentiful supply at stores, may be hard to get this year. A few plants of your favorite seasoning agent in your Victory garden will furnish an ample supply for your own kitchen.

Seed of all herbs is scarce, because nearly all herb seed was imported from Europe prior to the war. We have reserved all our stock for home gardeners, and offer the varieties listed below as long as they last.

To keep herbs over winter, stalks should be cut on a dry day, when not quite in full bloom. They should be dried in the shade and packed in boxes or jars with tight covers which exclude the air.

Varities marked () are perennials.

MIXTURE OF ANNUAL HERB SEEDS FOR 15c.

This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the Victory garden.

MIXTURE OF PERENNIAL HERB SEEDS FOR 15c.

For small gardens, this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet of each. Sow in a nursery row and transplant in the fall to a permanent location

Anise. Used for garnishing, seasoning and for cordials. Pkt., 10c; ½ oz., 50c.

***Balm.** Used for making Balm wine and tea. Pkt., 10c.

Basil, Sweet. The leaves are used for flavoring soups and stews. Pkt., 10c; ½ oz., 35c; oz., 60c.

Borage. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; ½ oz., 35c; oz., 60c.

Burnet. Used in flavoring. Pkt., 10c; ¼ oz., 25c.

Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; ½ oz., 35c; oz., 60c.

***Catnip.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; ½ oz., 30c; oz., 50c.

***Chamomile (Anthemis Nobilis).** The dried flowers possess medicinal value. Pkt., 20c.

***Chives.** Member of the onion family used for flavoring. Pkt., 25c; ½ oz., \$1.25; oz., \$2.25. Plants, 3 for 65c; 12 for \$2.00.

Coriander. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.

Dill. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

***Fennel.** The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

***Horehound.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 25c.

***Lavender.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are fragrant. There are two kinds.

***Lavender Vera or True.** The best. Pkt., 25c. ¼ oz., \$1.00

***Lavender Spica.** Not quite so strong as Vera. Pkt., 10c; ½ oz., 35c.

Marjoram (Sweet). The leaves and ends of shoots are used for flavoring in summer and dried for winter use. Pkt., 10c; ½ oz., 50c; oz., 90c.

***Mint, Old Fashioned.** For mint sauce and juleps. Plants only.

***Pennyroyal.** Leaves are used for seasoning puddings. Pkt., 10c; ½ oz., 60c; oz., \$1.00.

***Peppermint.** The leaves and stems are used for flavoring and for oils. Pkt., 25c.

***Rosemary.** The leaves are used for seasoning. Plants only.

***Rue.** For medicinal purposes; good for fowls, for the roup. Plants only.

Saffron. Used for coloring dishes, also flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Summer Savory. The leaves and young shoots are used for flavoring. Pkt., 10c; ½ oz., 60c; oz., \$1.00.

Sage, English Broad Leaf. Pkt., 25c; ½ oz., \$1.50; oz., \$3.00.

Tarragon. Plants only.

***Thyme.** Used for seasoning; a tea is also made for nervous headache. Pkt., 25c.

Wormwood. Beneficial for poultry. Plants only.

For Seasoning we offer the following Dried Herbs: Magic Box of 4 jars for \$1.25; or 6 for \$1.75; also "Sampler" Box of 12 put up in glassine envelopes for \$1.25 of the following: Basil, Lovage, Mint, Sage, Tarragon, Thyme, Poultry Seasoning, Fish Herbs, Omelet Herbs, Salad Herbs, Savory, Meat Herbs and Tomato Herbs.

Early Flowering Chrysanthemums



GARDEN TYPE

COLORFUL GARDEN TYPES

- Achievement.** New early light bronze, dwarf bushy plant. Blooms early September.
- Autumn Lights.** Unusual coppery orange disc-shaped. Blooms about Sept. 20. Erect growth. Medium height and large blooms.
- Dean Kay.** New. The first of a new hardy strain from Iowa. Extremely prolific and free blooming. Single plants run 4 feet in diameter with hundreds of 2-inch semi-double bright pink flowers. Ea., 50c.
- Harvest Gold.** Compact, stocky growth with large bright yellow flowers in mid-September.
- King Midas.** Hardy, vigorous type with immense golden yellow flowers tinged bronze when opening. Blooms Oct. 12.
- Lady Lavender.** 1939 Introduction. Large double silvery lavender blooms by Oct. 10.
- Mrs. Sam P. Rotan.** Big fluffy double golden yellow shaded to deep orange. Blooms Oct. 15.
- Symphony.** Very large flowers, 3 in. diameter, in mauve, rose, lilac and coppery shading. Blooms Oct. 12.
- Tasiva.** A fine double white. Blooms Oct. 7.
- The Moor.** Double maroon. Blooms Oct. 7.
- Price, except where noted, 40c each; 3 for \$1.00.
- COLLECTION 89A: ONE EACH OF ABOVE** \$290
10 plants.....

GOVERNMENT VARIETIES

- Developed by United States Department of Agriculture, the following new varieties have low bushy growth, and are free blooming. They show bloom Sept. 10th to 20th. Seminoles is much earlier. All are dwarf type and extremely hardy.
- Coos.** Semi-double deep yellow.
- Geronimo.** Double dark bronze.
- Lenape.** Early double. Bronze to yellow.
- Muskogee.** Semi-double purplish-rose, slight yellow central disc.
- Seminole.** Double fluffy pure white. Extra early.
- Winoooski.** A fine new free-flowering semi-double white.
- Any of above Government Varieties, 40c each; 3 for \$1.00.
- COLLECTION 89D: ONE EACH OF THE 6 GOVERNMENT VARIETIES (Postage Extra),** \$175

SPOON CHRYSANTHEMUMS

- Silver Spoon.** White Tubular petals.
- Orchid Spoon.** Large double light pinkish lilac.
- Jasper Spoon.** Yellow and jasper red.
- Golden Spoon.** Semi-double golden apricot-yellow.
- Rose Spoon.** Large single old rose.
- Any of above, 40c each; 3 for \$1.00.
- COLLECTION 89S: ONE OF EACH FOR** \$155
(Postage Extra)

CHICAGO CHRYSANTHEMUMS

Originated by Dr. Kraus (U. of C.)

- Barbara Small.** Clear rose pink, 3-inch double. Flowers well spaced. Late September.
- Calendula.** Deep yellow, semi-double, 3 inches. Free flowering late September on.
- Flavita.** Nearly double lemon yellow, flat flowers, 2 inches diameter. Low grower and free blooming from late September on. Excellent for borders.
- Goldridge.** Double, deep golden yellow, 3 inches. Free flowering. Mid-September.
- Harbinger.** Deep primrose, double flowers, 2½ ins. September on.
- M. J. Costello.** Double flat flowers, golden yellow, reddish gold center in the bud. 2½ inches. Blooms early September.
- Primula.** Single, primrose yellow, diameter 1½ ins. Large-branched clusters. Free flowering. Late September.
- Polar Ice.** Glistening blue white with no trace of cream color, 2½ to 3 inches double. Very free flowering. Early September on.
- Redbank.** Bright red, single yellow center. 2-ins. Blooming in mid-September.
- Robt. Brydon.** Dark garnet red. Low, bushy, free flowering, about 2½ to 3 inches in diameter. Sept.
- Tussore.** Large single, sea-shell pink with petals 2 inches long, upright, very free flowering grower. Late September on.
- Wm. Longland.** Double, clear bronze, diameter 2½ inches, tall and upright. Long season, from mid-September on.

Any of above, 60c each; 3 for \$1.50.

COLLECTION 89U: ONE OF EACH. Express \$525
or Postage Extra,

NEW KOREAN MUMS

Hardy single Daisy Chrysanthemums first introduced in 1934. Numerous new varieties have added to the charm, coloring and abundant flowering of this new race of hardy mums.

- Pysche.** Large shell pink. 4 in. in diameter.
- Saladin.** Heavily petalled Daisy-like blossoms. 3 in. diameter. Oriental red with coppery tones.
- Sappho.** Bright lemon-yellow. Dwarf type. Blooms earliest of all.
- Saturn.** Sparkling orange bronze, thin halo of light orange.
- Any of above, 40c each; 3 for \$1.00.

COLLECTION 89K: THE SET OF 4 PLANTS \$125
FOR (Postage Extra)

JOAN HELEN: An unusually brilliant new chrysanthemum. Large semi-double flowers with petals of Garnet lake shading to Rhododendron purple surrounding a brilliant yellow disc. Flowers are borne in such profusion that the plant becomes a veritable mound of sparkling color. Plant is dwarf and comes into full bloom early. Be sure to order this outstanding variety. Each, 75c; 3 for \$2.00.

6 Outstanding Chrysanthemum \$200
Collection, for.....

See Inside Back Cover for Color Illustration.

Success With Chrysanthemums

Divide plants every spring. Plant in sunny but sheltered spot. During dry spells water heavily once weekly.

Mulch with ½ inch straw litter about July 1st to promote early growth.



POMPON TYPE

BUTTON OR POMPON TYPE

- Deanna.** Substantial size Buttons in rich bronze overlaid with coppery apricot shading. Blooms Sept. 30.
- Jewell.** Stout full button. Dark orchid pink. A great favorite.
- Pygmy Gold.** Dwarf growth, covered with round golden pompons. 1 in. diameter. Blooms in Sept.
- September Bronze.** Early medium bronze pompon. One of the best.
- Sonny Boy.** Light bronze. Early.
- White Gull.** Entire plant covered with soft balls of pure white.
- Any of above, 40c each; any 3 for \$1.00.
- COLLECTION 86B: THE SET OF 6 PLANTS** \$160
FOR (Postage Extra)

CUSHION OR AZALEA-LIKE MUMS

- Amelia.** Known as Azalea-like mum. Very dwarf and early. Forms large mound covered with many medium size double light pink blooms.
- King Cushion.** Habit of growth same as Amelia. Very dwarf and early with light bronze flowers.
- Queen Cushion.** True Azalea type. Very dwarf and early. Medium size double white flowers.
- Yellow Cushion (New).** A yellow form of the cushion type which is a perfect match for the other colors. Foliage, flowers, growth and hardness are the true Azalea type. Color a dark lemon-yellow.
- Any of above, each, 40c; 3 for \$1.00.

- Santa Claus.** New. Striking introduction with big, bushy growth covered by brilliant red flowers from September on. Height is medium and blooms average 2-inch diameter. Each, 50c; 3 for \$1.25.
- COLLECTION 89C: ONE EACH OF ABOVE** \$165
(Postage Extra)

FALL BLOOMING PINK DAISY

- Chrysanthemum Clara Curtis.** New late blooming pink Daisy, perfectly hardy. Hundreds of salmon-pink flowers, 3 inches diameter, in late August from plants two years old. Each, 50c; 3 for \$1.25.

PINCH BACK YOUR MUMS

To make garden Chrysanthemums bushy, covered with flowers, pinch off the tops of all stems twice before they attain the height of 10 inches. After the ground freezes give a liberal covering of hay, straw or leaves, to prevent premature thawing out during the winter and early spring.

New and Standard Giant Dahlias



BETTE DAVIS. Violet Rose. (Semi-Cactus)
Tubers, Each, 50c; 3 for \$1.25.

Outstanding Dahlias of Late Introduction

The following can be supplied in tubers only.

Cherokee Brave. (I. D.) Ox-blood red that holds its color in the sun. Long stiff stems. Strong grower with heavy foliage. A prize winner. Price, \$1.00.

Cheer Leader. (F. D.) Self-color of rose pink with long strong stems. Unexcelled as a cut flower. Large and deep flower. Prolific bloomer. Price, \$1.50.

Eventide. (I. D.) True purplish shadings. Its unusual production of big blooms, most excellent stem and vigorous habit of growth, good substance of bloom make it one of the best of the new varieties. Price, \$1.50.

Glamour. (I. D.) A true purple deeply edged amaranth pink. A real huge dahlia with size and depth. A consistent winner at exhibitions and has many largest bloom prizes to its credit. Price, \$1.25.

Jeffersonian. (F. D.) An immense bloom of mauve pink. A sport of Sultan of Hillcrest. Has been grown for five years in succession and stands true to color. A fine plant and free bloomer. Price, \$2.00.

Lois Walcher. (F. D.) Color, deep amaranth purple that breaks sharply into pure white. The stems are ideal. The healthy bush is an early and prolific bloomer. Price, \$1.00.

Margie Parrella. (F. D.) Pure white. Blooms will open full in the hottest weather without being bruised or burnt. One of the best white cut flower varieties. Price, \$1.50.

Mrs. James Albin. (F. D.) A soft pleasing yellow with fine formal blooms carried on straight stiff stems. The plant is 4 to 5 feet high, has a clean sturdy growth and branches freely, making it easy to cut the blooms with long stems. It also has exceptional keeping qualities. Received the Certificate of Merit of the American Dahlia Society. Price \$1.00.

Murphy's Masterpiece. (I. D.) A dark red shading toward garnet, it will withstand sun without fading. The plant is a strong grower and producer of large blooms. Price, \$1.00.

Premier's Winsome. (I. D.) White suffused with mallow pink. A Dahlia of merit, with all the good qualities a Dahlia should have. A massive bloomer. Price, \$1.00.

Rita Wells. (I. D.) Color is buff and gold with tints of grenadine pink. Producing large blooms with great depth gives the blooms a massiveness which never failed to stop visitors. Good grower with long strong stems. Price, \$1.50.

Robert L. Ripley. (I. D.) A beautiful color combination, rhodamine purple with rose suffusions throughout. Price, \$1.00.

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply Tubers of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus.

KEEPING CUT DAHLIAS

After cutting, strip the foliage except at the top; recut the stem and immerse in water as hot as the hand can bear, being sure that none of the foliage gets in the water. When the water cools the Dahlias are transferred to a pail of cold water and left in the cellar over night. We have found that they keep several days and increase in size.

Rosy Morn. (I. D.) Here is a color long desired in Dahlias, a brilliant deep rose-pink. Long, straight stems. Price, \$1.00.

San Francisco. (I. D.) Color salmon pink. It is an outstanding variety with large blooms on strong stem. Strong grower with well proportioned and thrifty plant growth. Price, \$1.50.

Son of Satan. (S. C.) One of the largest and brightest of its type. Bright scarlet blooms on excellent stems. Blooms up to 12 inches in diameter. A sensation in any garden, and a winner in any show. Each \$1.00.

Sunrays. (I. D.) Clear buff with apricot suffusion, with a distinct peach-red reverse, strong sturdy grower. A great prize winner. Price, \$1.00.

The Governor. (F. D.) A large bright sulphur yellow which is definitely a formal. Early to bloom, it gives a wealth of flowers until frost. One of the leading winners in its class. Strong grower with good stems. Each \$1.50.

Victory. (F. D.) Color rose-pink with a golden suffusion. Excellent keeping qualities. Fine stems and insect proof foliage. Bush is vigorous and free branching. Winner of many Blue Ribbons at leading shows. Each \$1.50.

Your Lucky Star. (S. C.) The centers are white and the outer half is a distinct clear lavender. Very large well-formed flowers of unusual beauty. Good grower with fine stem. Price, \$1.00.

SPECIAL OFFER (90) One tuber each Murphy's Masterpiece, Premier Winsome, Robert Ripley, and Sunray for \$3.20. Postpaid to 5th Zone.

FORMAL DECORATIVE TUBERS ONLY

Avalon. Pure, clear yellow with large flowers. Price, each, 25c; 3 for 65c.

Buckeye Bride. A geranium-pink, a rare and beautiful shade. The flower is large, held at a correct angle on the stem. Price, each, 50c; 3 for \$1.25.

Cavalcade. A beautiful new shade of old-rose. Flowers on long stiff stems. Each, 35c; 3 for 85c.

Clara Carder. A large cyclamen pink with a flush of yellow at the base. In a color class by itself. Price, each, 35c; 3 for 85c.



Disbudding Technique

The Diagram shows a Typical Dahlia Plant which was pinched back after making the first four leaves, and thereafter disbranched and disbudded to produce 10 exhibition flowers.



SULTAN OF HILLCREST (Formal Decorative).
Tubers, Each, 35c; 3 for 85c.

FORMAL DECORATIVE—Continued

Darcy Sainsbury. (F. D.) Its large size and pure white color make it a standout in the garden. A good grower, free bloomer and fairly tall bushes. Price, each, 75c; 3 for \$2.00.

Florist White. Pure white, fine shaped flowers with long, stiff stems. Good grower. Price, each, 35c; 3 for 85c.

Gallant Fox. A brilliant red. Its keeping qualities, sturdy stem and fine color make it a valuable sort. Price, each, 25c; 3 for 65c.

Jersey's Beauty. It is still in a class by itself. A perfect bloom of eosine pink, carried high on wiry stem. Price, each, 25c; 3 for 65c.

Kentucky Sun. A large clear yellow producing quantities of uniform flowers. A fine exhibition and commercial dahlia. Price, 35c; 3 for 85c.

King of the Blacks. Darkest rich velvet red, almost black. Compact, vigorous. Each, 50c; 3 for \$1.25.

Miss Oakland. Pure white. Perfect habit of growth, free flowering; unexcelled for cut flower or exhibition. Price, each, 75c; 3 for \$2.00.

Monarch of the East. It is a big, bold bloom, a real giant in the Dahlia world. Its color is a golden bronze with a coral red reverse. Try it in the largest bloom class. Price, each, 75c; 3 for \$2.00.

Omar Khayyam. A Chinese red at the base of petals, shading to a bright orange with paler tips, giving a soft effect. Price, each, 25c; 3 for 65c.

Purple Mist. Pure deep purple tending to a shade of burgundy. Long stiff stems. Strong grower with dark foliage. Price, each, 50c; 3 for \$1.25.

Rose Glory. Pure deep rose-pink. Free and early bloomer. Strong grower with long straight stems. Medium height. Price, each, 25c; 3 for 65c.

Sultan of Hillcrest. Color, strontian yellow with sunrise yellow reverse. The bush habits and foliage are perfect. Price, each, 35c; 3 for 85c.

Thomas A. Edison. A royal purple with a brilliant rich finish. Price, each, 50c; 3 for \$1.25.

White King. A pure white, large flowering. Free flowering on long stems. Price, each, 25c; 3 for 65c.

White Wonder. The giant blooms are pure white with long twisted and curled petals. Foliage thick, leather-like. Price, each, 35c; 3 for 85c.

SPECIAL OFFER (90A) One tuber each Clara Carder, King of the Blacks, Miss Oakland, Monarch of the East and Purple Mist for \$2.25. Postpaid to 5th Zone.

SPECIAL OFFER (90B) One tuber each Jersey's Beauty, Kentucky Sun, Omar Khayyam, Rose Glory, Sultan of Hillcrest and White Wonder for \$1.45. Postpaid to 5th Zone.

INFORMAL DECORATIVE TUBERS ONLY

Adolf Mayer. Very dark red, almost black. A real sensation. It is a clean strong grower. Price, 75c; 3 for \$2.00.

California Idol. A giant clear yellow that can win in any class in which it may be entered. It is a splendid grower. This Dahlia will be a popular variety for years. Price, each, 50c; 3 for \$1.25.



JERSEY'S DAINTY. Semi-Cactus. Price, Tubers, Each, 35c; 3 for 85c.

DAHLIAS—

INFORMAL DECORATIONS—Continued

Cherokee Rose. Lavender rose. Plant is vigorous with long, erect stems and uniform full-centered flowers. Recommended as an exhibition or cut flower variety. Price, each, 50c; 3 for \$1.25.

Hunt's Velvet Wonder. Color is a rich violet purple. The huge blooms can be grown to immense size. A strong grower with striking foliage. A good exhibition variety. Each, 50c; 3 for \$1.25.

Jane Cowl. A large flower of warm buff and old gold, blending to a bright salmon at the center. Price, each, 25c; 3 for 65c.

Katie K. A clear pink of large size on long stem. One of the best exhibition pinks. Price, 75c; 3 for \$2.00.

Kentucky Sportsman. (I. D.) Color, gold, shading to apricot-yellow and then to a distinct orange, ending with white tips. Price, 75c; 3 for \$2.00.

Mary Baker. A deep butter Yellow Free Bloomer and good grower. Price each, 35c; 3 for 85c.

Mayor Frank Otis. Soft, rich golden yellow with just a touch of copper shading. A vigorous grower, free bloomer and has a fine stem. Large blooms unusually broad and deep with artistic petal formations. Winner of many medals and ribbons all over the country. Price, 75c; 3 for \$2.00.

Mrs. Geo. Le Boutillier. A rich velvety carmine, giant in size and outstanding in all respects. A healthy, vigorous grower. Each, 35c; 3 for 85c.

Oakleigh Monarch. A clear, brilliant cerise red. Very large blooms of great depth which keep well when cut. Strong, rugged grower. Each, 50c; 3 for \$1.25.

Prince of Persia. Rich glowing crimson. Great size and substance. Strong grower. Each, 25c; 3 for 65c.

Robert Emmett. Clear cardinal red inclining to crimson. A dependable grower with good stems and fine keeping qualities. Price, 50c; 3 for \$1.25.

SPECIAL OFFER (91) One tuber each Adolphe Mayer, California Idol, Katie K, Mayor Frank Otis and Robert Emmett for \$2.65. Postpaid to 5th Zone.

SPECIAL OFFER (91A) One tuber each Cherokee Rose, Hunts Velvet Wonder, Jane Cowl, Mary Baker, Mrs. George LeBoutillier and Prince of Persia for \$1.75. Postpaid to 5th Zone.

SEMI-CACTUS

TUBERS ONLY

Bette Davis. Bright, deep violet rose with slightly darker center. Flowers facing on long stems. Price, each, Tubers, 50c; 3 for \$1.25.

Gretal. Bright glowing henna red. A tight petaled bloom of fine form and good stem. Price, 35c; 3 for 85c.

Jean Trimbee. Color of richest deep petunia violet, of immense size, borne well above the foliage on stiff rigid stems. Price, each, 35c; 3 for 85c.

Jersey's Dainty. A fine formed white of medium size with fine stems. A good exhibition and cut flower. Price, each, 35c; 3 for 85c.

Josephine G. A beautiful, true rose-pink flower with petals tipped yellow. Each, 25c; 3 for 65c.

Satan. A flaming red with a slight touch of gold at the center. Strong grower with heavy foliage. Price, each, 35c; 3 for 85c.

Star of Bethlehem. Flowers are pure white with fine pointed petals with large tight center. Free bloomer and needs disbudding. Each, 25c; 3 for 65c.

SPECIAL OFFER (91B) One tuber each of the above 7 Dahlias for \$2.20. Postpaid to 5th Zone.

STRAIGHT CACTUS

TUBERS ONLY

Countess of Lonsdale. A delicate apricot shading towards the edges of the petals to carmine-pink. Early. Price, each, 35c; 3 for 85c.

Dulcinea. A pure spectrum red in a beautiful straight cactus. A profuse bloomer on long straight stems. Price, each, 75c; 3 for \$2.00.

Miss Belgium. Bright orange that blooms early and profusely on long wire stems. Price, 35c; 3 for 85c.

SPECIAL OFFER (91C) One tuber each of the above 3 Dahlias for \$1.15. Postpaid to 5th Zone.

MINIATURE DAHLIA

TUBERS ONLY

These small type Dahlias have become popular owing to their usefulness. Can be planted in garden, border or beds fairly close, about 20 to 24 inches apart. Their freedom of bloom and keeping a long time when cut make them ideal for arrangements.

Audries Orange. (S. C.) A bright orange. One of the finest miniatures. Very neat in appearance and excellent for exhibition. Price, each, 35c; 3 for 85c.

Baby Royal. (S. C.) One of the finest miniatures of salmon-pink shaded apricot. A good cut flower. Price, each, 25c; 3 for 65c.

Bishop of Llandoff. (Duplex.) Brilliant rich red blooms, in contrast to the dark bronze-black foliage, make it outstanding. Each, 35c; 3 for 85c.

Buckeye Baby. (F. D.) Gold buff. Early, long lasting and one of the most successful for exhibition and cuttings. Price, each, 25c; 3 for 65c.

Fairy. (F. D.) Described as a miniature Jersey's Beauty, but lighter in color. A violet-rose shading mauve at tips. Price, each, 25c; 3 for 65c.

Nesthakschon. An appealing creamy chamois color enlivened by a suffusion of pale rose. Flowers very freely. Price, 35c; 3 for 85c.

Sylvia. Rich deep carmine. A dahlia that grows well, blooms profusely and keeps well. Price, 25c; 3 for 65c.

Snowsprite. (S. C.) Glistening snow white in color with perfect stems and artistic form. Good, dependable variety. Price, each, 50c; 3 for \$1.25.

SPECIAL OFFER (91D) One tuber each of the above 8 Dahlias for \$2.00. Postpaid to 5th Zone.

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

Price except where noted: Each, 25c; 3 for 65c; 6 for \$1.25.

Amber Queen. Solid amber color and a beautiful shade. Prolific bloomer.

Bacchus. Clear, bright red, rounded and full.

Bronze Beauty. Gold apricot. Fine cut flower variety.

Catherine. Bright yellow. Good form and stem.

Edith Mueller. A bright soft apricot suffused peach red.

Little Herman. Deep red, tipped white; very free.

Morning Mist. A pale lavender. Very free bloomer with fine long stems.

Rosa Wilmoth. Small, fine formed rose-pink.

Sherry. A deep purple which is nearly round and very attractive.

Snowclad. The best pure white pompon.

SPECIAL OFFER (91E) One tuber each of the above 11 Dahlias for \$2.25. Postpaid to 5th Zone.

SPECIAL OFFER (91F) One tuber each Bacchus, Catherine, Little Herman, Morning Mist, Rosa Wilmoth and Snowclad for \$1.20. Postpaid to 5th Zone.

SHOW OR BALL SHAPED

Price each, 25c; 3 for 65c.

A. D. Livoni. A beautiful soft pink flower with quilled petals.

Bonnie Blue. Lavender blue. A popular variety of its type and color. A good cutflower and good keeper when cut.

Charlotte Caldwell. Bright orange, very free blooming. Sturdy plants.

Mary Helen. A primrose colored ball. One of the best ball types.

SPECIAL OFFER (91G) One tuber each of the above 4 Dahlias for 80c. Postpaid to 5th Zone.

Dahlia Tubers. To color. In white, pink, yellow, red, variegated and lavender. Price, each, 15c; doz., \$1.50, postpaid.

Mixed Dahlia Tubers. Price, doz., \$1.00, by express.



HUNGARIA

New Cannas

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

POPULAR CANNAS

Ambassador. 3½ to 4 ft. Bronze foliage; color, poppy red; very brilliant flowers.

Hungaria. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

King Humbert. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.

The President. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

Yellow King Humbert. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 3 for 45c; \$1.50 per doz.; \$10.00 per 100.

CHOICE CANNAS

Eureka. 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

Copper Giant. 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect. It blooms continuously throughout the season.

Improved Florence Vaughan. 4 ft. Rated finest of all yellows. Large lemon-yellow flowers, faint red dots, luxuriant green foliage.

Rosamond Coles. Brilliant combination of scarlet flowers with gold edging.

PRICES OF ABOVE

DORMANT 2-3 EYE ROOTS. Available March 1 to April 15; 3 for 60c; \$2.00 per doz.; \$12.00 per 100.

POT PLANTS. Copper Giant, Eureka, The President and Rosamond Coles only. 3 for \$1.00; doz., \$3.00; 100 for \$20.00. Express Collect.

Available April 20 - June 5.

PENNISETUM CUPREUM

A fine bronze Ornamental Grass. Needs rich soil and sunny location. Plants, 3 for \$1.00; doz., \$3.00; 100, \$20.00.

Vaughan's New Giant Dark Red Gladiolus—



MARGUERITE



CORINNE VAUGHAN

OUR 1943 INTRODUCTION COMMANDO

ONE of the rarest of gladiolus colors is dark red. Few varieties of this color have been bred which meet all round requirements, including exhibition size and quality, vigor of growth in the field, and ease of propagation. Perhaps the best to this time has been the Pfizter creation, Commander Koehl, and our 1943 introduction Commando is in every respect an improvement over this.

In color, Commando is much the same deep red as Commander Koehl, possibly half a tone darker. Its florets are larger, more evenly arranged on the stalk, and face better. The even self-color continues in the throat, without markings. The stalk is among the tallest, and grows with exceptional vigor. All red gladioli are known as poor propagators, and more than one new red has looked fine when first introduced, only to deteriorate in a few years.

Commando is one of the best propagators we have seen among the reds, and having it under observation for several years we are confident it will take a permanent place as leader in its color. Each, 50c; doz., \$5.00.



Best of the New Introductions

California (Salbach). Ex. Sold under protection of U. S. Patent No. 359. An immense deep geranium pink that is simply breath taking. Almost a self color, except for a slightly deeper pink blotch in throat. Blooms are well expanded, are of heavy substance and are slightly ruffled. Plants make vigorous growth and are tall with long flower spikes. As many as six to eight blooms open at one time. Each, 25c; doz., \$2.50.

Chamouny (Baerman). Ex. An outstanding decorative variety. Rich, light cerise rose with the faintest edging of light rose; perfectly placed florets on tall slender spike, eight or more open at same time. Each, 30c; doz., \$3.00.

Coral Glow (Ellis). Ex. A rather unusual shade of coral coral orange; will open six or more extra large blooms of perfect placement and heavy substance; a particularly strong growing variety. Each, 20c; doz., \$2.00.

Corinne Vaughan (Vaughan). An orchid self, with the tallest spike and largest florets yet produced in this color. It is definitely earlier than Minuet, which in our opinion, it surpasses in size and beauty. It has exceptionally large florets, well placed and facing properly. Each, 35c; doz., \$3.50.

Glen Lake (Vaughan). Ex. In effect it is a lavender self paler than Minuet, with markings negligible and only in the deep throat. Stem is tall and strong, florets faced well and overlapping, six to eight open at once. It is earlier than Minuet, opens better, is a far better propagator. This is a fine, tall growing variety for the garden, but of exceptional value for cut flower arrangements, both for room decoration and for the costume. Each, 20c; doz., \$2.00.

Grand Opera (Salbach). Ex. Sold under protection of U. S. Patent No. 280. Definitely one of the most sensational gladiolus ever offered, for it not only sets a new standard for size, but has beautiful form, as well as an appealing color. Florets have reached 8½ inches in diameter. Even the tip buds are large and resemble a slender rose bud. Grows from 5½ to 6½ feet high. Flowers are well placed, and as many as 5 to 7 open at one time. The color is between La France and Geranium pink, soft, but very clear in tone. A magnificent big gladiolus that isn't in the least coarse. Each, 40c; doz., \$4.00.

Helen of Troy (Salbach). (Patented) Ex. A truly magnificent flower; in color a lively peach-toned apricot with soft carmine throat markings; seven or more giant sized blooms on strong stiff spikes. A real 'champion.' Each, 25c; doz., \$2.50.

Jalna (Palmer). Ex. Iridescent salmon and ashes of roses. A very unusual and beautiful smoky. 10 or more large wide open well placed blooms open at a time. Fine exhibition variety and indispensable for the home garden. Fine propagator. If you like the smokies, by all means get Jalna. Each, 15c; doz., \$1.50; per 100, \$10.00.

King of Hearts (Salbach). Ex. (Picardy X Grand Opera). Sold under protection of U. S. Patent No. 360. The individual florets consistently measure from 8 to 8½ inches in diameter. The flower stems are not thick, but are strong and wiry, adding to the grace of this fine new variety. The plants are tall, make a vigorous growth, with deep green foliage, and carry a flower spike 2½ feet long. The blooms are of heavy substance and are always perfectly placed. Six to 7 well spaced blooms open at one time with 10 to 11 unopened buds. Light coral red with light carmine red line in throat. The whole color effect is more on the salmon, but distinctly on the coral red tones. Each, 25c; doz., \$2.50.

Marguerite (Pommert). Ex. Makes a massive spike of deep watermelon pink, with cream throat. Tall spike with unusually long flower-head. Its exceptional lasting qualities make it a good cut flower. Each, 40c; doz., \$4.00.

Oregon State (Bones). Ex. Salmon-pink with cream throat. Remarkably good substance, standing in good condition two days longer than Picardy. Florets face one way, which makes it a good cut flower variety. Each, 20c; doz., \$2.00.

Pearl Harbor (Kenyon). Dec. A color of purest white, no markings, which make this variety of valuable commercial importance as a cut flower. Unusual lasting qualities, straight grower, vigorous and a rapid propagator. Tall spike carrying 20 to 22 buds, opening 10 to 12 lovely large florets of pure white at one time. Balance of spike showing buds the entire length of stalk. A prize winner at all shows. Each, 75c; 3 for \$2.00.

Sir Galahad (Salbach). Ex. Sold under protection of U. S. Patent No. 356. A study in contrast, for the purity of its soft creamy yellow is enhanced by its diamond shaped blotch of rich crimson in the deep cream colored throat. A pure and perfect flower, well named for Galahad, the perfect knight. Florets are large and wide open—long flower spike with at least 6 of the 18 flowers open at once. Blooms are perfectly placed, and are of heavy substance. Stems always straight. For a clean, soft flower that is at the same time bright, Sir Galahad is supreme. Each, 25c; doz., \$2.50.

Vredenburg (Pfizer). Ex. A very vigorous new white that should be of great value, particularly because of its earliness, size of blooms, and placement of florets. Each, 15c; doz., \$1.50.

General List PINK AND ROSE

Betty Nuthall (Salbach). Ex. One of the outstanding gladioli of recent introduction. Light coral with pale orange throat and light feathering of carmine. Ea., 5c; doz., 50c; 100, \$3.00.

Betty Weinstock (Vaughan). Dec. Fine beautiful pink. Prize winner at all shows. Each, 15c; doz., \$1.50; 100, \$10.00.

Bingo (Canine). Ex. Immense cream-buff, pink flecking and soft Picardy blotch in throat. Each 15c; doz., \$1.50; 100, \$10.00.

Cactus Rose (Kellogg). Ex. Rich velvety purplish red, just like cactus blooms of the western deserts. Each, 6c; doz., 60c; 100, \$4.00.

Debonair (Palmer). Ex. La France pink to shrimp pink in throat with creamy throat mark, lightly peppered crimson. Each, 5c; doz., 50c; 100, \$3.00.

Early Dune (Vaughan). Ex. An early Betty Nuthall, 70 to 75 days. Salmon-orange shading to lighter in throat, with two small carmine spots on the throat petal. Tall straight spike, flower well placed, 10 to 12 open at one time. Each, 6c; doz., 60c; 100, \$4.00.

Edith Mason (Vaughan). Ex. Delicate geranium pink, exquisite. Each, 6c; doz., 60c; 100, \$4.00.

Heritage (Ristow). Ex. Very large warm pink throat lighter, with white midribs on lower petals. Each, 10c; doz., \$1.00; 100, \$7.00.

Hillsdale (Vaughan). Ex. True Tyrian rose, shading darker toward outer edge of petals, lighter toward throat; back of petals delicately traced with minute white lines. Darker feather on two lower petals. Tall, strong spikes. Blooms in early mid season. A valuable addition to a color class with few outstanding varieties. Each, 35c; doz., \$3.50.

Michigan (Vaughan). Ex. Grows uniformly 4-5 ft tall, with a strong spike which stands upright without staking, its magnificent flower plumes are composed of florets 5 inches across, overlapping and facing perfectly, with 10 to 13 open before the lowest floret fades. It is without superior in size and perfection of form. Outside of petals, a strong salmon-red; inside, an orange salmon; the whole effect being a vivid salmon-pink, many tones deeper than Picardy. Throat and small blotch on lower petal are lemon-yellow, blending with and softening the general effect. An exhibition variety of the first rank. Each, 25c; doz., \$2.50.

(*) This mark indicates the variety is of outstanding merit.

GLADIOLI—PINK AND ROSE—Continued.

Johannes Sebastian Bach (Pfitzer). Ex. Salmon, shading, bit lighter in throat. Tall and strong. Well arranged flower-head. 10 to 12 open at once. Each, 10c; doz., \$1.00; 100, \$7.00.

Miss J. Nathan (Whiteley). Dec. Rose-pink, cream throat spotted crimson. Very large spike. Each, 20c; doz., \$2.00.

Margaret Fulton Dec. Early salmon-pink. Each, 6c; doz., 60c; 100, \$4.00.

Miss Alameda (Salbach). Dec. Large deep salmon pink with carmine blotch. Tall spike. Each, 10c; doz., \$1.00; 100, \$7.00.

Mrs. E. J. Heaton (Heaton). Ex. Glowing straw-berry pink blended with some cream in throat. Each, 6c; doz., 60c; 100, \$4.00.

Mrs. P. W. Sisson (Coleman). Dec. Immense, ruffled soft pink. Each, 5c; doz., 50c; 100, \$3.00.

New Era (Ellis). Ex. Beautifully ruffled rich pink, cream throat. Tall spike, many florets open at one time. Each, 15c; doz., \$1.50; 100, \$10.00.

Peach Rose (Kunderd). Dec. Fine rose pink with deep blotch. Each, 10c; doz., \$1.00; 100, \$7.00.

Peggy Lou (Wilson-Evans). Ex. Smooth, deep shrimp pink with a slight rosy cast and a slight peppering of deeper rose in the throat. Each, 15c; doz., \$1.50; 100, \$10.00.

Phyllis McQuiston (Stewart). Dec. A gorgeous pure pink. Each, 10c; doz., \$1.00; 100, \$7.00.

Picardy (Palmer). Ex. A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Each, 5c; doz., 50c; 100, \$3.00.

Queen Helen II (Salbach). Ex. Grenadine pink with prominent pinard-yellow blotch and carmine feathering deep in throat. Each, 6c; doz., 60c; 100, \$4.00.

Reverie (Palmer). Dec. Light sufrano pink shading to cream throat. Each, 15c; doz., \$1.50; 100, \$10.00.

Rosemarie Pfitzer. Ex. Very light pink with faint flecks of creamy hue. Slightly ruffled. Round, "inverted" type florets. Each, 10c; doz., \$1.00; 100, \$7.00.

Rosa Van Lima (Pfitzer). Dec. Pure self-colored light pink. Many flowers open at one time. Strong grower. Each, 10c; doz., \$1.00; 100, \$7.00.

Rapture (Palmer). Dec. Tall late salmon with creamy throat. Each, 8c; doz., 75c; 100, \$5.00.

Sonatine (Pfitzer). Dec. Tall light pink, flaked darker. Large blooms on stiff stems. Each, 8c; doz., 75c; 100, \$5.00.

W. H. Phipps (Diener). Ex. Enormous flowers of La France pink, overlaid with salmon-rose, lighter towards the center. Each, 6c; doz., 60c; 100, \$4.00.

PINK AND ROSE MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

RED

Communist (Vaughan). Ex. Flaming red, lighter than Commander Koehl, more vivid than Dr. Bennett, with a better spike than either. The color is even except for deep crimson in the throat. Flowers in 100 days. Each, 35c; doz., \$3.50.

Beacon (Palmer). Ex. Salmon-scarlet with creamy throat. Tall spike, eight florets open at once. Each, 10c; doz., \$1.00; 100, \$7.00.

Bill Sowden (Fallu). Dec. Immense, massive ruffled, deep blood-red, usually flaked darker. Each, 8c; doz., 75c; 100, \$5.00.

Commander Koehl (Pfitzer). Ex. An outstanding variety in form and color. Gigantic flowers of dark scarlet, well formed, no blotches. Each, 6c; doz., 60c; 100, \$4.00.

Diana (Zeestraten). Dec. Clear, rich blood-red, well placed and beautifully formed. Each, 6c; doz., 60c; 100, \$4.00.

Dr. F. E. Bennett (Diener). Ex. Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 6c; doz., 60c; 100, \$4.00.

Dream of Beauty (Zimmer). Ex. Large rose red. Good color, strong grower. Each, 8c; doz., 75c; 100, \$5.00.

THRIPS TREATMENT

Vaughan's bulb farms in Michigan and the mountains of Tennessee are free from thrips. This insect pest is prevalent in many sections, however, and your planting may become infested from some neighboring focus. If thrips are known to be near you, prevention is advisable. Rotenone sprays and dusts are effective. (See page 108.)

The U. S. department of agriculture recommends, after plants have reached 6 inches in height, weekly spraying with the following formula: $\frac{1}{4}$ lb. Tartar emetic, 1 lb. brown sugar, 6 gallons of water.

We will ship Tartar Emetic, ceiling prices, postpaid for $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.00.



CARRIE JACOBS BOND. Each, 50c.

FRAGRANT GLADIOLUS

Carrie Jacobs Bond

A rose-red, with white veins on lower two petals; throat stippled white. Florets 4 inches across, borne on slender, wiry stem. It grows $3\frac{1}{2}$ feet tall, blossoms in 65 days, is a vigorous grower and a good propagator. The fragrance suggests that of violets and is the strongest of any large flowered Gladiolus we have seen. The fragrance from a bouquet of this variety will delicately perfume a room.

Each, 50c; doz., \$5.00



PEARL HARBOR, Each, 50c.

Lake Geneva Collection GLADIOLI

Ten each of the following ten representative varieties of Gladiolus (100 first size Bulbs) will be sent postpaid, for . . . **\$4.00**

- 10 Minuet, Large Lavender
- 10 Chas. Dickens, Purple Violet
- 10 Dr. Bennett, Scarlet
- 10 Mother Machree, Smoky Lavender
- 10 Mary Shary, Clear Soft Primrose-Yellow
- 10 Picardy, Apricot Pink
- 10 Maid of Orleans, Milky White
- 10 Red Lory, Red with Purplish Blotch
- 10 Pelegrina, Violet Blue
- 10 Wasaga, Clear Apricot

RED—Continued.

Maoriland (Whiteley). Ex. Large well shaped flowers. Color, red heavily overlaid and flaked crimson. Each, 10c; doz., \$1.00; 100, \$7.00.

Mrs. Francis L. Karcher (Vaughan). Dec. Light salmon blending to an orange on outer edge of petals, throat petals striped with crimson. Reflex orange-crimson. Tall, straight spike, flowers well placed, 6 to 8 blooms open, free bloomer, early. Each, 8c; doz., 75c; 100, \$5.00.

Pfitzer's Triumph (Pfitzer). Ex. Salmon-red with darker blotch. Very large flower. Each, 6c; doz., 60c; 100, \$4.00.

Red Lory (Errey). Ex. Red with purplish blotch. Fine for exhibitions. Each, 6c; doz., 60c; 100, \$4.00.

Red Phipps (Briggs). Ex. Really a pink overlaid scarlet. Each, 6c; doz., 60c; 100, \$4.00.

Rewi Fallu (Fallu). Ex. Early deep blood-red. Very large blooms on a tall straight spike. Each, 10c; doz., \$1.00; 100, \$7.00.

Scarlet Bedder (Salbach). Dec. Fine early scarlet. Each, 10c; doz., \$1.00; 100, \$7.00.

Southern Cross (New Zealand). Ex. Large, deep red. Very good color. Each, 10c; doz., \$1.00; 100, \$7.00.

Tainui (Julyan). Dec. Ground color greenish yellow, overlaid orange scarlet, with conspicuous blotch of dark red. Tall, strong grower, with ten or more open at one time. Each, 25c; doz., \$2.50.

Valeria (Pruitt). Ex. A very soft red with a narrow mark of light cream in the throat. Stands up well. Five to seven large ruffled flowers open at a time. Each, 15c; doz., \$1.50; per 100, \$10.00.

Van Tienhoven Ex. Beautiful bright poppy red. Long straight spikes with many flowers open at one time. Each, 10c; doz., \$1.00; 100, \$7.00.

Wurtembergia (Pfitzer). Ex. Large scarlet with broad soft cream blotch. Each, 6c; doz., 60c; 100, \$4.00.

RED MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

LAVENDER

Dr. Moody (Kenyon). Ex. Light lavender. Each, 6c; doz., 60c; 100, \$4.00.

King Arthur (Arenius). Ex. Grand deep rose-lavender, florets large and fluted. Each, 8c; doz., 75c; 100, \$5.00.

Milford (New Zealand). Ex. One of the best. Clear azure-blue, slightly darker at edges of petals. Very large, nine open. Spike and placement good. Each, 6c; doz., 60c; 100, \$4.00.

Minuet (Coleman). Ex. Large light lavender. We recommend it. Each, 6c; doz., 60c; 100, \$4.00.

LAVENDER MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

SMOKY

Bagdad (Palmer). Ex. Very large smoky old-rose. Each, 6c; doz., 60c; 100, \$4.00.

Mother Machree (Stevens). Ex. Soft smoky lavender. Large flower and plant with beautiful coloring of lavender and orange, subdued with neutral gray. Each, 10c; doz., \$1.00; 100, \$7.00.

Vagabond Prince (Palmer). Ex. Iridescent, garnet brown, lighter in upper throat, small flame, scarlet blotch below. The color combination is very attractive. Each, 10c; doz., \$1.00; 100, \$7.00.

SMOKY MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

100 Bulbs of Picardy, *Champion of All Gladioli*, \$2.00

PREPAID 600 MILES

These are flowering size bulbs (No. 3) which will produce exhibition flowers, but take longer to do it than larger bulbs. Picardy is without a rival for the most popular gladiolus. Its soft salmon coloring, huge overlapping florets, perfectly spaced to produce a gorgeous plume of color, have won it leadership in the exhibition room, in the garden, and in the cut flower market. No. 1 bulbs, 100 for \$3. No. 2 bulbs, 100 for \$2.50. By Express Collect.

YELLOW

Cadillac (Vaughan). Ex. Tall spike, flowers well placed and of good form. Seven open at one time, 5 to 7 buds. Color, golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each, 10c; doz., \$1.00; 100, \$7.00.

Golden Chimes (Ellis). Ex. Highly ruffled light yellow. Each, 8c; doz., 75c; 100, \$5.00.

Golden Dream (Groff). Dec. Clear deep yellow. Each, 6c; doz., 60c; 100, \$4.00.

Golden Goddess (Salbach). Ex. The first patented Gladiolus. Ten to sixteen florets open at once, deep rich golden yellow. Introduced only last season, but we have arranged with the patentee for the right to sell this outstanding new Gladiolus. Each, 10c; doz., 75c; 100, \$5.00.

Mary Shary (Vaughan). Dec. Clear soft primrose yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 10c; doz., \$1.00; 100, \$7.00.

Miss Bloomington (Kunderd). Dec. Tall, light yellow, flowers well placed. Each, 8c; doz., 75c; 100, \$5.00.

Mrs. M. G. Wade (Whiteley). Dec. Clear yellow, large spike. Each, 10c; doz., \$1.00; 100, \$7.00.

Royal Oak (Vaughan). Ex. Primrose yellow, lightly suffused with pink, the lower petals showing a single fine line of red in the center. 5-7 well placed flowers open at a time. The spike carries 16 to 20 buds. Exceptionally early, blooms in 60 days. Strictly a commercial variety. Each, 8c; doz., 75c; 100, \$5.00.

Yellow Emperor (Ellis). Ex. Clear light yellow. Each, 6c; doz., 60c; 100, \$4.00.

YELLOW MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, \$3.00.

BLUE AND PURPLE

Ave Maria (Pfitzer). Dec. Extremely good blue-purple. Strong grower, flowers well arranged. Each, 10c; doz., \$1.00; 100, \$7.00.

Blue Beauty (Pfitzer). Ex. Light blue, shading darker toward the edge. Large wide open flowers. Strong grower. Each, 10c; doz., \$1.00; 100, \$7.00.

Blue Danube (Pfitzer). Dec. Pure amethyst blue with real blue blotch. Each, 10c; doz., \$1.00; 100, \$7.00.

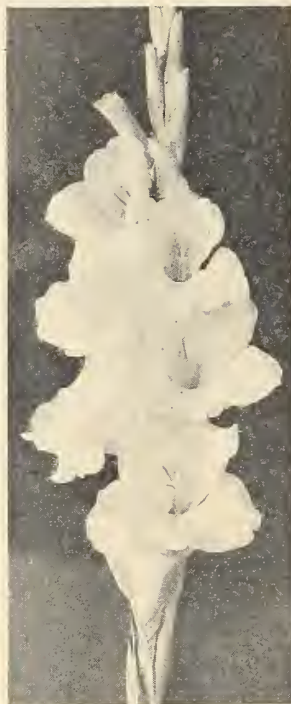
Blue Royale (Vaughan). Dec. True violet-blue. Very prolific and much larger, taller and stronger grower than any other blue we or any one else has ever introduced. In season it is later than Rosa Raisa or Mrs. T. J. Knudson. An outstanding advance in this new color. Each, 20c; doz., \$2.00; 100, \$15.00.

Chas. Dickens (Pfitzer). Dec. Purple-violet. Each, 6c; doz., 60c; 100, \$4.00.

Hopi (Vaughan). Dec. A shapely flower of medium size, with florets of velvety substance exceptionally well placed, five to six open at once. In color a bright maroon, with slightly darker harmonizing blotch in the throat. Each, 6c; doz., 60c; 100, \$4.00.

Kalamazoo (Vaughan). Ex. Large, compact flowers of beautiful violet-purple, with a creamy white throat. Each, 8c; doz., 75c; 100, \$5.00.

Mrs. T. J. Knudson (Vaughan). Dec. This is one of the Vaughan blues much admired at all shows and in a class with Rosa Raisa. Clear light violet, shading deeper towards the outer edge of petals. The throat has a deep violet plume, tipped or capped by a characteristic bright creamy spire, giving it a very striking effect. Florets are medium in size, with many, well placed, open at one time. This is an outstanding introduction in a color-class where good varieties are scarce. Midseason, strong grower of good height. Each, 10c; doz., \$1.00; 100, \$7.00.



GLEN LAKE. Each, 20c.

BLUE AND PURPLE—Continued.

Paul Pfitzer (Pfitzer). Dec. Fine reddish purple. Many flowers open at a time. Each, 8c; doz., 75c; 100, \$5.00.

Pelegrina (Pfitzer). Dec. Deep blue. Each, 8c; doz., 75c; 100, \$5.00.

BLUE AND PURPLE MIXED

Made up by ourselves from varieties listed and others. Doz., 75c; 100, \$5.00.

ORANGE

Bit of Heaven (Crow). Ex. Flaming orange with yellow throat. Each, 8c; doz., 75c; 100, \$5.00.

Dearborn (Vaughan). Dec. Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six in. in diameter. A giant gladiolus that blooms early. Each, 6c; doz., 60c; 100, \$4.00.

Duna (Palmer). Ex. Clear, soft, light pinky buff, bit yellow at base. Back of petals a shade darker, 5-6 open on medium tall spike. High in color values and we like it better than Wasaga. Each, 6c; doz., 60c; 100, \$4.00.

Hercules (Crow). Ex. Clear buff. Tall spike. Blooms large, of good texture. Each, 15c; doz., \$1.50; 100, \$10.00.

Mrs. S. A. Errey (Errey). Ex. Brilliant orange with orange crimson shadings in the throat. Tall strong spike with large blooms. Each, 8c; doz., 75c; 100, \$5.00.

Orange Queen (Pfitzer). Dec. A large flowered primulinus of wonderful glowing orange, with red stripes on lower petals. Each, 5c; doz., 50c; 100, \$3.00.

(*) This mark indicates the variety is of outstanding merit.

For Flower Classification which is used at all Flower shows, we are marking each variety as follows: Ex.—Exhibition. Dec.—Decorative. S. D.—Small Decorative.

ORANGE—Continued.

Palm Springs (Vaughan). Ex. A clear soft luminous orange-buff self color, marked only by lighter toning in the throat. Each, 8c; doz., 60c; 100, \$4.00.

Wasaga (Palmer). Dec. Clear apricot, buff throat. Large flowers and beautiful for basket work. Trifle darker than Duna. Each, 6c; doz., 60c; 100, \$4.00.

ORANGE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

WHITE

Albatross (Pfitzer). Ex. Pure white. Each, 6c; doz., 60c; 100, \$4.00.

Bob White (Zimmer). Ex. Large pure white. Each, 8c; doz., 75c; 100, \$5.00.

Maid of Orleans (Pfitzer). Ex. Milky white, cream throat. Each, 6c; doz., 60c; 100, \$4.00.

Mammoth White (Pfitzer). Ex. One of the largest white varieties in existence. Flowers are pure, glistening white. A perfect exhibition flower. Each, 8c; doz., 75c; 100, \$5.00.

Margaret Beaton (Twomey). Ex. New immense white with orange-scarlet blotch. Each, 25c; doz., \$2.50.

Myrna (Pruitt). Ex. An excellent white, sister to Shirley Temple, ruffled and strong grower. Each, 35c; doz., \$3.50.

Queen Louise (Pfitzer). Ex. Pure white with light greenish throat. Flowers large and carried on strong stems. Each, 6c; doz., 60c; 100, \$4.00.

Shirley Temple (Pruitt). Ex. Color rich cream, almost white, with richer cream throat mark. Six to eight very large, most beautifully ruffled flowers open at one time. A maximum spike is equal in size to Picardy or Miss New Zealand. Despite its enormous size it carries not the least bit of coarseness. As a cut flower it will stand up with the best of them, the last bud on the spike blooming out perfectly. Makes beautiful foliage and large, high crown bulbs. Makes ample bulblets that grow readily, without pregermination. It blooms somewhat later than Picardy. Each, 8c; doz., 75c; 100, \$5.00.

Star of Bethlehem (Pfitzer). Ex. Enormous snow-white. Good exhibition variety. Each, 10c; doz., \$1.00; 100, \$7.00.

White Triumphator (Pfitzer). Dec. Pure white, good for cutting. Each, 6c; doz., 60c; 100, \$4.00.

WHITE MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, \$4.00.

STANDARD VARIETIES for the Cutting Garden

| | |
|---|-------------------------------|
| Berty Snow. Lavender | Mrs. F. Pendleton. |
| Break O'Day. Pink | Pink. |
| Chicago. White | Mrs. P. W. Sisson. Soft pink. |
| Giant Nymph. Pink | Peace. White |
| Gold Eagle. Yellow | Souvenir. Yellow |
| Los Angeles. Pink | |
| Mrs. F. King. Scarlet | |
| Any of the above, doz., 50c; per 100, \$3.00. | |

Vaughan's "Standard" Mixture \$1.00
50 Bulbs - - - - -

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 35c, postpaid; by express, not prepaid, 50 for \$1.00; 100 for \$1.75; 250 for \$4.00; 500 for \$7.50; per 1,000, \$14.00.

Primulinus Hybrids Mixed \$2.50
100 Bulbs - - - - -

The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers, they are ideal for vases. Doz., 50c; 100, \$2.50.

Prices for single bulbs and by the doz., as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

We Do NOT Recommend Planting Lilies After May 15.



LILIUM SUPERBUM



LILIUM REGALE



LILIUM CANADENSE



LILIUM UMBELLATUM

Hardy Lilies for Spring Planting

HARDY lily bulbs, of 1942 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

Lilies are truly among the most beautiful of all bulbous plants. They are especially suitable for planting in herbaceous borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 5 to 6 inches below the surface, and to prevent the accumulation of excessive moisture, surround the bulb with coarse sand and fill in with a mixture of fibrous loam and leaf-mold.

Many varieties are termed "stem-rooters"—that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

For the smaller varieties, plant in clumps, the bulbs about 6 inches apart, leaving more space for the strong and larger species. The most striking mode of planting is in groups of 3 to 9 bulbs in a mass.

Lilium Canadense (Meadow Lily)

The whole plant has a downward, graceful movement and looks like a slender, tiered green belfry ringing golden bells. The flowers are nodding, bell-shaped, with petals flaring out and turning back slightly. They are heavily dotted on the inside with purplish brown dots. Blooms the end of June to July. Should be planted five inches deep. It is an excellent lily for naturalizing. Height, 3 to 5 ft.

Canadense Mixed—Each, 20c; dozen, \$2.00; 100, \$13.00.

Lilium Henryi

A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage. Each, 35c; doz., \$3.50; 100, \$25.00.

Lilium Pardalinum

(Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. Ten to thirty flowers on a 5-6 foot stem. Each, 35c; doz., \$3.50; 100, \$25.00.

Lilium Regale

The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance. 6-7 inches. Each, 30c; doz., \$3.00; 100, \$20.00.

Lilium Superbum

(American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from ten to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. This lily requires an acid condition and should be planted at least 8 inches deep. Height, 3-8 feet. Each, 25c; dozen, \$2.50; 100, \$18.00.

Lilium Tenuifolium—Ready October

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, 20c; dozen, \$2.00; 100, \$15.00.

Lilium Umbellatum—Ready October (Subspecies of Davuricum)

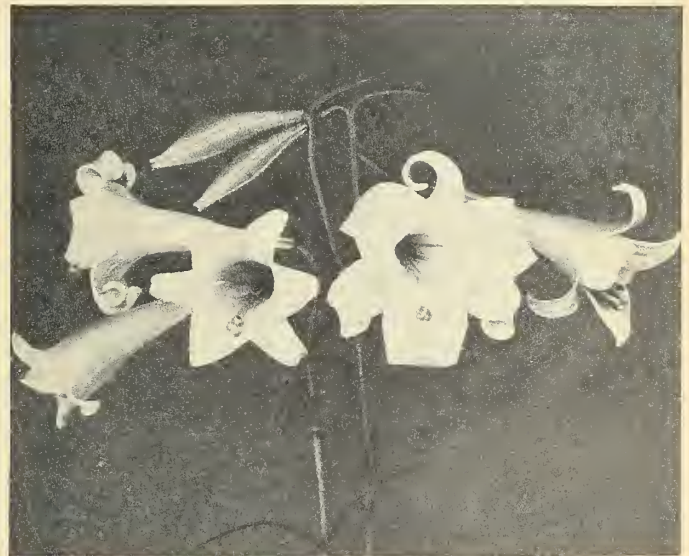
This group of lilies is of hybrid origin, and thrives in American garden borders, multiplying and enduring. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape.

Mixed. Each, 35c; doz., \$3.50; 100, \$25.00.

Lilium Candidum for July and August Shipment

The ideal time to plant this lily is in mid-summer.

| | |
|-----------------------------|-------------------|
| 18-20 Centimeters each..... | 35c; doz., \$3.50 |
| 20-22 Centimeters each..... | 55c; doz., 5.50 |
| 22-24 Centimeters each..... | 65c; doz., 6.50 |
| 24-26 Centimeters each..... | 80c; doz., 8.00 |



Lilium Phillipinense Formosanum

A refined and graceful Lily with long grassy foliage, and long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish brown. The plants grow to a height of 2-3 feet, are very robust and offer great resistance to wind and weather. It is hardy, very fragrant and one of the loveliest of the new varieties. Each, 35c; doz., \$3.50; 100, \$25.00.

Amaryllis



AMARYLLIS

Largest of flowers which are easily forced indoors, our new hybrids are gorgeous in size and coloring.

Vaughan's New Hybrids. Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

| | | | |
|-------------------|--------|--------|---------|
| | Each | Doz. | 100 |
| 2-2½ in. Dia..... | \$0.30 | \$3.00 | \$22.50 |
| 2½-3 in. Dia..... | .45 | 4.50 | 30.00 |

Separate Colors—Red, almost White Pink shades. 2 inch and up. Each, 75c; doz., \$7.50.

APIOS Tuberosa

Splendid hardy climber. Color chocolate brown, fragrant. 2-4 bulbs should be planted together at a depth of 3-4 inches. Grows best in loose rich soil.

Price, each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

Begonias



DOUBLE BEGONIA

Tuberous Rooted—Unexcelled for summer bedding. When fully exposed to the sun the beds must be kept moist. All prepaid.

Crispa Single—Red, orange, yellow, rose, white. Large flowered.

Medium Size. Each, 25c; doz., \$2.50; 100, \$18.00.

Large Size. Ea., 30c; doz., \$3.00; 100, \$22.50.

Camellia Flowered Double—Red, yellow, rose, white, orange.

Medium Size. Each, 35c; doz., \$3.50; 100, \$25.00.

Large Size. Each, 40c; doz., \$4.00; 100, \$30.00.

Carnation Flowered or Frilled—Same colors as above.

Medium Size. Each, 35c; doz., \$3.50; 100, \$25.00.

Large Size. Ea., 40c; doz., \$4.00; 100, \$30.00.

Fragrance—A fragrant Begonia. Single flowers of deep pink. The fragrance is distinctive and pleasing. Each, 30c; doz., \$3.00.

Pendula—Used in hanging baskets. Each, 25c; doz., \$2.50; 25 for \$4.50. Double blooming, many fine pinks.

Narcissus-Flowered in Mixture. Inner petals joined into a large semi-double or single corona with petals elegantly crimped at margin. Each, 30c; doz., \$3.00; 25 for \$5.50.

Summer Flowering Bulbs

NEW BEGONIAS

Multiflora Hybrids—In a shady place, where they can be well watered, these compact plants will bear double flowers of gorgeous coloring, measuring 2 to 3 inches across. They will blossom until killing frost. Each, 35c; doz., \$3.50; per 100, \$25.00

Golden Yellow CALLA LILY

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer.

Price, each, 25c; doz., \$2.50; 100, \$18.00.

CALLA LILY

(Richardia Maculata)

Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 25c; doz., \$2.50; 100, \$18.00.

CHLIDANTHUS Frangans

Chlidanthus Frangans (The Gold Flower). Produces clusters of from two to four golden yellow, trumpet-shaped flowers that are delicately fragrant. Handle in the same manner as gladioli.

Price, each, 15c; doz., \$1.50; 100, \$10.00, prepaid.

CINNAMON VINE

(Dioscorea Batatas)

Well-known hardy climber; quick grower. Large Roots, 3 for 40c; doz., \$1.50; 25 for \$2.50, prepaid.

CALADIUM Esculentum

Elephant's Ear—Good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.

Price, 3 for 25c, prepaid; doz., \$1.00; 25 for \$1.50, not prepaid.

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.

Price, 3 for 45c, prepaid; doz., \$1.65; 25 for \$2.75, not prepaid.

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.

Price, 3 for 75c, prepaid; doz., \$2.50; 25 for \$4.50, not prepaid.

Gloxinias



GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Mixed Colors. Each, 40c; 3 for \$1.10; doz., \$4.00.

Hyacinthus Candicans

(Galtonias) Summer

Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.



HYACINTHUS CANDICANS

Price, First Size, each, 15c; doz., \$1.25, prepaid; Selected Size, each, 20c; doz., \$1.75, prepaid.

Ismene Calathina



ISMENE CALATHINA

best. Plant clumps in a shady moist place. Each, 65c; doz., \$5.00; prepaid.

(Peruvian Daffodil)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. Price, each, 20c; doz., \$2.00, prepaid.

LILY OF THE VALLEY

Large Clumps—For outdoor planting, clumps are

MADEIRA VINE

One of the best and most popular climbers for foliage effect. Price, 3 for 25c; doz., 90c; 25 for \$1.50, prepaid.

OXALIS

Summer-Flowering—Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high in continuous bloom. Very fine to grow in hanging baskets indoors. The colors are white, red, pink. Price, any color, doz., 35c; 25 for 70c; 100 for \$2.50; prepaid.

Bulbs Shipped Separately from Seed

Because of weather conditions during January, February and early March, we prefer to send out bulbs after March 20th except to customers in the south or California, to whom we ship at once, packed against freezing. Customers should open the package upon arrival, and if bulbs can not be planted at once, they should be placed in a dry and frostproof cellar until ready to plant.

Milla Biflora

New introduction from Mexico, here it is called Estrellas, or Little Stars. Showy white flowers, 6 inches in diameter, with six petals quite separated. The stems are very free blooming from July to September.



MILLA BIFLORA

Flowers cut well and have a pleasant Lily-like fragrance. Should be dug in fall, except in colder climates.

Each, 20c; doz., \$2.00; 100, \$15.00.

Montbretias



MONTBRETIAS

Plant Early

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

They do best in a light loamy soil enriched

with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply.

Special Mixed. Price, 3 for 25c; doz., 2c; 100, \$5.50, prepaid.

Earlham Large Flowered Hybrids

They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches.

Special Mixed. 3 for 40c; doz., \$1.50; 100, \$10.00, prepaid.

RANUNCULUS

Set 3 or 4 inches apart, pressing firmly to the soil, claws downward, and cover them with sand, then with soil; keep the crown of the tubers four inches under the surface. Water them well.

Mammoth Size—Doz., 75c; 100, \$5.00; 1000, \$45.00.

First Size—Doz., 60c; 100, \$4.00; 1000, \$35.00.

Summer

Flowering Bulbs

SPREKELIA

Formosissima (Jacobean Lily)

Closely allied to the Amaryllis, bearing showy brilliant crimson flowers. Dormant bulbs planted in the border early in May will flower within 3 or 4 weeks after planting, or they may be flowered as pot plants in the house during the early spring months.

Large Size—Each, 25c; doz., \$2.50; 100, \$18.00.

Tuberoses Double

(Polianthes Tuberosa)



TUBEROSES

Mammoth Bulbs—Each, 20c; doz., \$1.75; 25 for \$3.00, prepaid.

First Size—Each, 15c; doz., \$1.10; 25 for \$1.75, prepaid.

Second Size—Price, doz., 60c; 25 for \$1.00, prepaid.

Mexican (Single)—They have tall, stiff stems, flowers pure white, single; true tuberose fragrance.

Price, doz., 75c; 25 for \$1.25, prepaid.

Excelsior Dwarf Pearl Double

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier.

Tigridia

(Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.

| | | | |
|-------------------|--------|--------|---------|
| Scarlet..... | \$0.15 | \$1.35 | \$ 9.00 |
| Yellow..... | .15 | 1.35 | 9.00 |
| Orange..... | .20 | 1.80 | 13.00 |
| Light Pink..... | .20 | 1.80 | 13.00 |
| Rose..... | .20 | 1.80 | 13.00 |
| Creamy white..... | .20 | 1.80 | 13.00 |

Mixed. Price, 3 for 40c; doz., \$1.35; 100, \$9.00, prepaid.



TIGRIDIA

Fairy Lily

Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, doz., 50c; 25 for 80c; 100, \$3.00, prepaid.

Rosea—Beautiful clear rose; flowers large and very handsome.

Price, each, 15c; doz., \$1.25; 100, \$8.00, prepaid.



ZEPHYRANTHUS

THREE ITEMS BELOW
Ready for delivery after June 15.
Order NOW.

Resurrection Lily

(Amaryllis Hallii) (Lycoris Squamigera)
For Outdoor Planting

Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 75c; doz., \$7.50.

Lycoris Radiata

A coral red Spider Lily. Bulbs planted 5 inches deep July 15th bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossom up in August or September. Lily-shaped flowers of orange-red.

Each, 30c; doz., \$3.00; 100, \$20.00.



LYCORIS RADIATA

STERNBERGIA LUTEA

These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection.

Each, 25c; doz., \$2.50; 100, \$15.00.

New Hardy Everblooming Roses

Of Giant Size, Lovely Coloring and Vigorous Growth

Price of the following two varieties:
Dormant Roses, \$1.25; 3 for \$3.15
Pot Plants, \$1.60; 3 of one kind for \$4.75

★ Indicates outstanding garden varieties.



HEART'S DESIRE

AARS. These are Roses selected by the Rose Council after two-year tests in 15 Official All-American Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-I results in all parts of the country can pass their rigid tests. When you get an AARS variety, you get the best.

Price of the following varieties:

Dormant Roses, \$1.50; 3 of one kind for \$3.75
Pot Plants, \$1.85; 3 of one kind for \$5.50

★**California.** AARS 1940. (Pat. 443.) "The Rose of Roses in shades of gold." Its unusual coloring, ruddy orange toned with saffron yellow, has a dual tone effect of indescribable richness and beauty. Buds long and pointed, flowers of enormous size, often five inches in diameter. Growth vigorous, with healthy, glossy green foliage. Very fragrant.

★**Grand Duchesse Charlotte.** AARS 1943. (Patent For.) This rose is truly an Aristocrat which provides a new shade of red or claret never before seen in the rose world. The long streamlined buds of magnificent Morocco-red open to firm-petaled blooms of dusky coral-red which do not fade but gradually merge to a lovely coral-pink. When unfolding the petals recurve and make artistic informal blooms with a hint of carnation fragrance.

★**Heart's Desire.** (Patent 501.) AARS 1942. This is the No. 1 Rose of the 1942 "All-America Rose Selections," and what a Rose, for it really has everything that your heart could desire. It has color, a pure, even shade of luminous red which does not blue or burn, even in the hottest weather. It has fragrance, a small vase of flowers will sweetly perfume a whole room. It has rich foliage and produces quantities of flowers on long cutting stems all season. It has vigor, being a strong grower like Radiance and Crimson Glory, its parents.

★**Mary Margaret McBride.** (Patent 537.) AARS 1943. This deliciously fragrant rose is indeed a new triumph. Its long-pointed, salmon-pink buds gradually unfold, petal by petal, holding its radiant beauty at all stages. The full double blooms are large, high centered and a lovely coral-pink color fused with a shimmering gold at the base. It is excellent for cutting and is noted for its generous blooms, even in the hottest summers. Foliage is luxuriant.

Special Offer No. 98 One each of the above 4 AARS. Roses, dormant (value \$6.00) for \$5.00; pot plants (value \$7.40) for \$7.00.

Rex Anderson. (Patent No. 335.) Sensationally beautiful new white with an overcast of ivory, slightly deeper in the center. The large blooms are carried, several together, on strong stems and may be grown to enormous size by dis-budding. Vigorous plants with an abundance of gray-green foliage which sets off the flowers to perfection. Pleasing rose fragrance. Dormant only, \$1.50.

★**Charlotte Armstrong.** AARS 1941. (Pat. 455.) An amazingly beautiful new Rose that is said to out bloom most varieties three to one throughout the season. The long, slender, blood-red buds open into magnificent, brilliantly colored flowers, spectrum red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut; plants are strong and vigorous with good foliage.

★**Eclipse.** (Patent No. 172.) Introduced in 1936, this Rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A fine garden Rose.

POT PLANTS

These northern grown 2-year field Roses are potted and grown in cool greenhouses. By May they are in full leaf, possibly showing buds, and the roots are well established in a ball of soil. Pot grown Roses not ready till May 1st.

All Pot Roses Shipped Express Collect from Western Springs, Ill.

DORMANT

All our dormant Roses are hardy, Northern grown 2 yr., No. 1 grade and should be planted early. They are shipped express collect or may be shipped by parcel post if postage is sent. Allow 1 lb. for each plant.

See order blank for postage rates.

Price of the following varieties:

Dormant Roses, \$1.00; 3 of one kind for \$2.50
Pot Plants, \$1.35; 3 of one kind for \$4.00

★**Crimson Glory.** (Patent No. 105.) We consider this the finest of the new red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

★**Christopher Stone.** One of the three finest red Roses. Produces quantities of brilliant, glowing velvety scarlet blooms of good form all season. Delicious fragrance.

★**Duquesa de Penaranda.** This glorious Rose produces two distinct types of flowers. In summer they are coppery apricot, in autumn a luscious cinnamon-peach color.

★**Girona.** Here is one of the most fragrant Roses in existence and one of the best of all garden Roses for cutting. Very strong growing, with good foliage, and superb blooms of a beautiful red and yellow combination.

★**Mme. Joseph Perraud.** Nasturtium orange buds, open to fragrant flowers of a charming Nasturtium buff.

★**McGredy's Ivory.** "The perfect white Rose." Perfect buds open into magnificent perfect blooms of ivory-white.

★**Picture.** This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone. A splendid cutting Rose that produces quantities of fragrant bloom.

★**Poinsettia.** Here is the Rose that will be the sensation of your garden for it is the most dazzling red Rose we have ever seen. The buds are ideal in form, long and pointed, and open into large, semi-double, beautiful Poinsettia-scarlet blooms, with large well-shaped petals. The plants are good and the blooms are produced profusely during the whole season.

★**President Macia.** A superb variety that really performs. Extra long, pointed buds of rich carmine-pink, opening into great big blooms, often 5 inches across, of soft flesh-pink, brightened by a yellow flush at the base. Vigorous grower with long stems.

DELUXE ROSE COLLECTION

One each of Christopher Stone, McGredy's Ivory, Sister Therese, Treasure Island and The Doctor, dormant, (value \$5.00) for \$3.95; pot plants (value \$6.75) for \$6.40. Shipped express collect.

★**Signora.** (Patent No. 201.) There is no other Rose quite like this one, which is one of the finest of the new varieties that have come to America. A warm symphony of color, mostly in shades of brownish orange and salmon. It is a vigorous, tall and free blooming plant with long buds opening double and fragrant.

Sister Therese. One of the most dependable of the yellow roses. The long pointed buds, streaked with a rich carmine, are perfectly shaped. The full blooms are a beautiful clear chrome yellow and are borne on the plant in candelabras. Excellent for cut flowers; sweet briar fragrance. Strong grower with good foliage.

★**Sterling.** (Patent No. 21.) Here is a new Rose that is just about perfect. The flowers are a beautiful clear pink with orange base; buds pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and it blooms and blooms.

★**The Doctor.** The most glorious pink Rose we have ever seen. The buds are long and pointed and expand to simply enormous blooms of beautiful, glowing rosy pink with satiny pink edges. Intensely fragrant; excellent for cutting.

Treasure Island. A beautiful blend of flaming coppery-pink, inside of petals light salmon, orange at base. Buds long and pointed on stiff stems, flowers large and fragrant; excellent for cutting. It is considered superior to the famous Countess Vandal which it resembles.

Will Rogers. (Patent No. 256.) This Rose is one of the finest of velvety red. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense of rose fragrance. It is ideal for cutting and bears quantities of flowers throughout the season. Does best in semi-shade.

FOUR GREAT ROSES

One each Signora, Crimson Glory, Eclipse, and Sterling, dormant (value \$4.25) for \$3.55; pot plants for \$5.00. Shipped express collect.

NEW PERPETUAL FLOWERING DOORYARD ROSE

Dormant Roses, 3 for \$5.00; each, \$2.00
Pot Plants, 3 for \$6.50; each, \$2.25

Mabelle Stearns. (Patent No. 297.) A Rose Setigera Hybrid that is hardy without protection in the Temperate Zone. Very hardy plants growing 2 feet high and spreading 6 to 8 feet or more if permitted. The full double delightfully fragrant flowers of peachblossom-pink are produced in panicles from June until frost, and are excellent for cutting. Rich, green, healthy foliage.



STERLING



McGREDY'S SCARLET

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

CHOICE EVERBLOOMING HYBRID TEA ROSES

Dormant Roses, 85c; 3, \$2.15; 12, \$8.50

***Autumn.** Unique coloring, a gorgeous burnt orange, streaked and marked with red. Large handsome buds developing to full double, fragrant blooms.

***Betty Upchurch.** "If I had room for only one Rose in my garden, it would be Betty Upchurch"—such is the enthusiasm of one great Rose lover for this vigorous, very fragrant Rose. Pointed copper-red buds, opening, reveal petals of soft salmon-pink which, in full bloom, contrast prettily with a reverse of orange-carmine.

***Caledonia.** Has beautifully shaped, long snow-white buds which open to fine double flowers on long stems for cutting. It has a delicious fragrance and is profuse in its habit of bloom.

***Cynthia.** A Superb variety that we know will please every rose lover. The exceptionally well-formed buds are on stiff stems and open into full double flowers of a rich glowing oriental red or brilliant carmine. A vigorous grower and an outstanding cut flower variety.

***Condesa de Sastago.** A spectacular Rose with cupped flowers of orange-scarlet with yellow reverse.

***Dainty Bess.** We consider these exquisite flowers of delicate rose-pink, with contrasting center of wine-red stamens, the finest of all the single Roses. The flowers are 3 to 4 inches across, come continuously in clusters on long spikes, and are very lasting when cut.

***Dame Edith Helen.** fine pink Roses, this one remains a leader. Blooms are of magnificent size and substance on bushes of vigorous upright growth. It is extremely double and high centered with broad petals that curl back luxuriously.

***Editor McFarland.** Exceptionally fine deep pink variety, good grower, and excellent cut flower.

***G. Hill.** Long, perfectly formed buds opening to full double flowers of dazzling scarlet, shading to deeper red. Flowers are borne on long stems and are deliciously fragrant. A Rose that is popular everywhere for its brilliant color, freedom of bloom and lasting qualities.

***Etoile de Hollande.** A brilliant dark red Rose of magnificent size and perfect form. Vigorous grower, heavy bloomer; flowers deliciously fragrant and beautiful in all stages of development.

***Golden Dawn.** Buds lemon-yellow, splashed with carmine, open to great big fragrant flowers of pale straw yellow.

***Gruss an Teplitz.** Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

***Hilrich Gaede.** Here is one of the most spectacular Roses in existence, and it succeeds well everywhere. Long pointed buds and big double blooms of rich luminous vermillion shaded golden yellow. Fine plants with beautiful glossy foliage. Fruity fragrance.

***Joanna Hill.** One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form, whether in graceful bud or full blown flower.

SURPRISE ROSE COLLECTION

This is made up of our selection of Ever-blooming Hybrid Tea Roses. They will all be high grade Roses, in a wonderful assortment of colors, worth from 85c to \$1.35 each. Every Rose will be labeled (no two varieties alike) and because you are letting us make the selection, we are giving you this bargain price. Shipped express collect.

5 Roses, our selection, dormant for \$2.95
5 Roses, our selection, potted for 4.50
10 Roses, our selection, dormant for 4.95
10 Roses, our selection, potted for 8.00

Kaiserin Auguste Viktoria. developing slowly to snowy white blooms of perfect form.

***Margaret McGredy.** Comparatively new and is a striking variety. Large Oriental red blooms, rich color and vigorous, bushy growth. Blooms continuously.

***McGredy's Scarlet.** A Rose with the McGredy name is always a top-notch and this one is no exception. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting.

***McGredy's Yellow.** Beautifully formed buds of pure, light butter-cup yellow; open flowers cup-shaped.

***Mme. Butterfly.** This Rose should be in every collection, large or small. Time has proved its dependability and endeared it to the hearts of all. Light pink petals with deep shadings of apricot and gold at its heart and petal lips of ivory white.

Mme. Edouard Herriot. Sparkling buds of coral-red and orange, opening to large, semi-double flowers of very brilliant orange-red and salmon. Of moderate growth; very free flowering.

***Mme. Jules Bouche.** Long, pointed, shape-ly buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. Plant exceptionally strong and continuously in bloom.

***Mrs. Charles Bell (Shell-Pink Radiance).** An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

***Mrs. Erskine Pembroke Thom.** An unfading yellow with dark healthy foliage. Slender buds open to perfectly shaped flowers of canary yellow.

Mrs. Henry Bowles. A large well formed, fragrant Rose of brilliant pink with salmon shadings. Extra good bloomer.

Mrs. Pierre S. DuPont. One of the most continuously blooming Roses grown and winner of more medals than any other outdoor Rose. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow that holds well. Compact bushes with glossy, healthy foliage.

Peter's Briarcliff. Long pointed buds and large, high centered flowers of deep rose-pink passing to a lighter shade on outer petals. Fragrant. Almost thornless and one of the finest garden Roses for cutting.

President Herbert Hoover. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems—in fact every detail of this excellent rose adds to the beauty that has made it so popular.

***Pink Dawn.** Full, double flowers of glistening rose-pink, changing to soft pink with a gold base. Buds are extra long; excellent for cutting. Very popular as it blooms freely and grows vigorously like the Radiance Roses.

***Radiance.** Brilliant rose carmine, shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.

***Red Radiance.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

***Southport.** Very showy, probably the most brilliant of all scarlet Roses. Fine buds of lovely form on long stems. Prolific bloomer.

Souvenir de Claudius Pernet. Flowers sunflower-yellow, unfading even in the warmest weather.

Souv. de Mme. C. Chambard. Very beautiful, delightfully fragrant, pink blooms. The buds are large, long pointed, coral in color, and slowly unfold to a coral-pink flower developing a satiny peach tint. Strong vigorous grower.

Talisman. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The Rose of many Gold Medals.

See Rose Collection on Page 5.

CHOICE HYBRID TEA POT PLANTS

Each, \$1.20; 3, \$3.50; 12, \$13.50. Can be supplied only in the following varieties:

Betty Upchurch
Condesa de Sastago
Editor McFarland
Etoile de Hollande
Golden Dawn
Gruss an Teplitz
Joanna Hill

McGredy's Yellow
Mme. Jules Bouche
Mrs. P. S. Dupont
Radiance
Red Radiance
Southport
Talisman

FLORIBUNDA ROSES

These Roses are among the hardiest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are almost as large as those of the Hybrid Teas, but are borne in clusters which are very showy in the garden and provide excellent bouquets for the house. Wonderful for planting in groups in the border, for bedding or for everblooming hedges. A dozen plants should give you hundreds of blooms this summer. Price, except where noted.

Dormant Roses, 85c; 3 of one kind for \$2.15; 12 for \$8.50; 25 for \$15.65

Pot Plants, \$1.20; 3 of one kind for \$3.50; 12, \$13.50

***Dagmar Spath (White LaFayette).** Large of pure white semi-double flowers, produced freely all summer. Excellent for cutting.

***Donald Prior.** (Pat. 377.) The large flowers bright scarlet, flushed crimson, a very striking color. Fragrant, foliage dark green; very free flowering.

***Improved LaFayette.** An unusually prolific large flowering variety; very showy and fine for mass plantings. Flowers deep brilliant red, richly suffused crimson, almost as large as a Hybrid Tea Rose.

***Mrs. R. M. Finch.** Double soft rosy-pink flowers, 2 inches in diameter, in large showy, fragrant clusters. One of the finest pink Floribundas. Vigorous grower.

***Pinocchio.** (Pat. 484.) A real find in Floribundas, beloved by all who have seen it. It is a profuse bloomer in immense clusters with delightful flowers of a changeable two-tone deep salmon-rose color. Its buds are long and pointed and the open flowers are like miniature hybrid teas. Excellent in the garden and for unusual cut-flower arrangements in the house. Dormant, \$1.25; 3, \$3.15; Pot Plants, \$1.60; 3, \$4.75.

***Pink Gruss an Aachen.** Large, very double, deep salmon-pink blooms like a hybrid tea Rose. Ideal for bedding; produces a constant mass of bloom.

***Rochester.** Floribunda, (Patent No. 131.) A group of Rochester is a continuous mass of beautiful flowers. Full double blooms, creamy yellow, tinted with the colors of an Oriental pearl. Foliage heavy and disease resistant; growth vigorous; hardy.

Dormant only, \$1.25; 3, \$3.15.

***Rosenelfe.** Unusually beautiful, silvery rose-pink flowers of Gardenia-like form. They are very double, about 2 1/2 inches across, and are produced freely all summer.

Dormant only.

World's Fair. (Patent No. 362.) Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. Luxuriant foliage.

Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.35; 3, \$4.00.

Special Offer No. 99. One each of Improved LaFayette and Rosenelfe, 3 dormant plants for \$2.00; 3 each, 9 dormant plants for \$5.40; 8 each, 24 dormant plants for \$12.00. Shipped express collect.

THREE NEW FLORIBUNDAS

Dormant, \$1.00; 3, \$2.50; Pot Plants, \$1.35; 3, \$4.00.

Cheerio. Superb variety with brilliant double flowers of clear mallow pink shading to Tyrian rose at the base of the petals with reverse or outside a luminous rose-madder.

Red Velvet. A spectacular bedding Rose, covered with urn-shaped buds opening to well-rounded blooms of an intensely vivid crimson lake. The velvety finish of the flowers adds to the beauty and richness of the color.

Sunmist. Graceful, pointed buds opening into large, well-rounded flowers of a clear light sulphur yellow shading to mellow canary yellow toward the base of the petals. Forms large flower clusters that give a glorious effect.



RED VELVET, SUNMIST, CHEERIO

Hardy Climbing Roses

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection.

Price of the following 8 varieties:

Dormant, 85c; 3, \$2.15; 12, \$8.50

Bonfire. Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

Climbing American Beauty. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

Chaplin's Pink Climber. Lively pink blooms in clusters of 8 to 12 large and shapely flowers. A strong grower.

Mary Wallace. Well formed, semi-double flowers of a bright clear rose-pink with salmon base. Flowers, generally 4 inches in diam.

Mme. Gregoire Staechelin. This new variety is the aristocrat of the climbing Roses. Its beautiful flowers are of enormous size and are followed by fruits as large as small pears. The blooms are iridescent pearl-pink, splashed with carmine, fragrant.

Paul's Scarlet Climber. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

Primrose. A pure yellow, hardy climbing rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

Silver Moon. Beautiful, fragrant, semi-double flowers four and a half inches and over in diameter. Creamy white petals.

We can supply Climbing American Beauty and Paul's Scarlet Climber, in pot plants at \$1.20 each; 3 for \$3.50.

STANDARD TREE ROSE

These ornamental and much prized Roses are bush shape, grafted to a standard or trunk 3 feet high. Hybrid Teas are chiefly used, and the bush or head is capable of bearing 30 to 50 blossoms each season. Need winter protection.

We can supply the following, except where noted, dormant only, at \$3.50 each; \$35.00 per doz.

Condesa de Sagato
Mme. Jules Bouche
Mrs. E. P. Thom
Pink Dawn
Crimson Glory, each \$3.75

Radiance
Red Radiance
Southport
Talisman

PIXIE

Pat. 408. A dainty white miniature. Fine for edging. Dwarf and everblooming. 75c each, 3 for \$1.90, 12 for \$7.25.

ROSA ROULETTI

NEW MINIATURE OR LILLIPUT ROSE. Everblooming, hardy, height 6 to 8 inches, double dark pink blooms in profusion.

Plants, 50c; 3 for \$1.10; doz., \$3.50

TOM THUMB

CRIMSON. PAT. 159 "WORLD'S SMALLEST RED ROSE." A tiny gem for rockery, border or pool's edge. Everblooming. Dwarf grower, hardy. Flowers rich crimson, white center, studded with gold stamens. 75c each; 3 for \$1.90; 12 for \$7.25.

NEW PATENTED CLIMBING ROSE

Price, except where noted:

Dormant Roses, \$1.00; 3 of one kind for \$2.50

Pot Plants, \$1.35; 3 of one kind for \$4.00

Blaze. (Plant Patent No. 10.) A marvelous, scarlet red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June and then blooms intermittently all through the season.

Doublons. (Plant Patent No. 152.) A hybrid of our native Rosa Setigera and very hardy. Clusters of very large cup-formed, saffire yellow blooms, opening one after the other. For heavy canes. Undoubtedly the best yellow climber to date. Has the tendency to repeat in midsummer.

Dr. J. H. Nicolas. (Pat. 457.) Everblooming, deep rose-pink. Magnificent, very double, deeply fragrant blooms like the Hybrid Teas. Rich dark green foliage; hardy. Dormant only, \$1.50.

Flash. (Pat. 396.) Probably the most vividly colored hardy Climbing Rose in existence. The flowers are a glowing, flashing color of vivid orange scarlet with the back of the petals yellow, suffused with scarlet. The center of the flower is gleaming yellow and filled with golden anthers. It is a prolific bloomer for several weeks, and although a vigorous grower, attains a height of only about 7 feet. Dormant only, \$1.00.

Thor. (Giant Scarlet Climber.) (Patent No. 387.) Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed 4 to 5 inches across, and are just as handsome as those of a Hybrid Tea Rose. Flowers have 55 to 60 petals and are produced abundantly. Foliage, rich bottle-green which does not mildew or black spot. Hardy without protection in the Temperate Zone. Unquestionably the finest scarlet Climbing Rose creation to date. Dormant, \$2.50; Pot Plants, \$2.85.

The New Dawn. (The Hardy Everblooming Dr. Van Fleet). Patent No. 1. The first patented Rose and the first everblooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. Dormant, \$1.50; 3, \$3.75; Pot Plants, \$1.85.

Special Offer—Three Patent Roses

One each Blaze, Doublons, and The New Dawn. Dormant (value \$3.50) for \$2.95; Pot Plants (value \$4.55) for \$4.00.

A Good Growing Tip

As soon as dormant Roses are planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.



PATENTED ROSE BLAZE



ORANGE TRIUMPH

POLYANTHA EVERBLOOMING ROSES

Dormant Roses, 85c; 3, \$2.15; 12, \$8.50

These, like the Floribundas, are very hardy and continuous blooming, producing their small flowers in large, showy clusters on neat, compact bushes.

Ideal. A rich lustrous garnet. The flowers are produced in large trusses and are very effective.

Gloria Mundi. Double flowers of glowing orange-scarlet, in large clusters.

Margo Koster. Noted for its charming clusters of globe-shaped flowers that resemble Ranunculus blooms. Color rich, orange-salmon which does not fade. Of low bushy growth.

★Orange Triumph. One of the best of all Polyantas, producing huge clusters of magnificent salmon-red blooms all season. Strong grower with good glossy green foliage.

HYBRID PERPETUAL JUNE ROSES

Hardy as oaks, and producing the finest flowers of the whole rose family, these roses not only flower freely in June, but often produce another crop of blossoms in the fall. Blossoms are larger, more fully double, of better color, and plants live for years even in the coldest states.

Dormant Roses, 85c; 3, \$2.15; 12, \$8.50

★Frau Karl Druschki (White American Beauty). Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class. Blooms all the time.

Harrison's Yellow. (Austrian Briar). This is the hardy yellow rose of olden times. Deep golden yellow, semi-double and very hardy.

Henry Nevard. Unusually fragrant crimson-scarlet flowers of fine form. An improved American Beauty that blooms very freely.

★Mrs. John Laing. Beautifully formed, extremely fragrant flowers of clear pink on strong stems. Splendid for cutting. Very popular, as it blooms almost as freely as a Hybrid Tea.

Ulrich Brunner. A Rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

Special Offer No. 100. One each Frau Karl Druschki, Mrs. John Laing and Ulrich Brunner (value \$2.55) for \$1.85.

VISIT VAUGHAN'S ROSE GARDEN

You are invited to inspect our Rose garden, at West Forty-seventh street and Willow Springs road, Western Springs, Ill., where over 1000 plants of both new and old varieties are on display.

Vaughan's Hardy Climbing Vines



EVERBLOOMING HONEYSUCKLE
(*Lonicera Heckrotti*)

All prices f. o. b. our nurseries,
Western Springs, Ill.

If wanted by Parcel Post, add 10c for 1 plant,
20c for 3 plants for postage.

TO MAKE a green canopy over pergolas, clothe bare walls with beauty, adorn trellises, transform fences into walls of green, and for many other purposes, hardy climbing vines are useful in the garden. We list varieties of proved merit, among which will be found subjects suitable for any of the uses mentioned.

BITTERSWEET (*Celastrus Scandens*)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., 55c; 3 for \$1.40; doz., \$5.50; 3 yr., 65c; 3 for \$1.75.

CREEPER (*Ampelopsis*)

Boston Ivy (*Ampelopsis Tricuspidata* or *Veitchii*). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 50c; 3 for \$1.35; doz., \$5.00; 3 year, 65c; 3 for \$1.75.

Engelman's Creeper (*Ampelopsis Engelmani*). One of the hardest, best and quickest growing climbers for the north and northwest. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2 yr., 40c; 3 for \$1.10; doz., \$4.00.

Geranium Creeper (*Ampelopsis Tricuspidata* Lowii). Similar in habit to the popular Boston Ivy, but with smaller, more deeply cut foliage. 2 yr., 65c; 3 for \$1.75.

Monkshood Vine (*Ampelopsis Aconitifolia*). Rapid growing; very ornamental deeply cut leaves. 3 yr., 50c; 3 for \$1.35; 4 yr., 60c; 3 for \$1.65.

CLIMBING HYDRANGEA

Hydrangea Petiolaris. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, \$1.25; 3 for \$3.15.

TRUMPET CREEPER

Bignonia Radicans. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 50c; 3 for \$1.35.

Bignonia Mme. Galen. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, \$1.00; 3 for \$2.70.

DUTCHMAN'S PIPE

Aristolochia Sipho. A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and will thrive in sun or shade. 2 yr., 75c; 3 for \$2.00; doz., \$7.50; 2 yr., grafted, \$1.25.

VARIOUS SPECIES OF CLEMATIS

Duchess of Albany (New). Vigorous sprays of gorgeous pink trumpet-shaped flowers about 3½ to 4 inches long. Blooms from July to September. Flowers will last two weeks when cut. 2 yr., \$1.50.

Scarlet Clematis (Texensis). Bell shaped flowers, bright coral-red, from June until frost. 60c; 3 for \$1.50.

Sweet Autumn Clematis (Clematis Paniculata). The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September when few other vines are in bloom. The most popular of all the small-flowered vines. 2 yr., 60c; 3 for \$1.65; doz., \$6.00.

LARGE-FLOWERING CLEMATIS

The Large-Flowering Clematis are the most beautiful of flowering vines. All except the variety Belle of Woking should be pruned in spring, as they produce their finest flowers from wood made during the current year. We supply own-root plants which are the best.

Henryi. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

Mme. Edward Andre. Very beautiful bright velvety red, free-flowering and continuous bloomer.

Ramona. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue.

Prices of the above 4 varieties: 1-year, 2½ inch pots, each, 50c; 2-year, each, 90c; 3-year, each, \$1.15.

Gold Medal Collection. One each Jackmani, Henryi and Mme. Edward Andre, 1-year for \$1.35; 2-year for \$2.50; 3-year for \$3.00.

FIVE FINE NEW VARIETIES

Belle of Woking. Handsome double flowers of silvery gray. Profuse bloomer in July and again just before frost. 2 yr., \$1.25; 3 for \$3.15.

Comtesse de Bouchaud. Beautiful flowers with gracefully curved petals of satiny rose. Blooms from July to Sept. Very distinct. 2 yr., \$1.25.

Crimson King. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. \$1.25.

Lord Neville. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., \$1.25.

Prins Hendrik. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. \$1.75.

Special Offer: One each of Belle of Woking, Crimson King, and Lord Neville. 2-year, for \$3.25.



CLEMATIS Belle of Woking



SILVER LACE VINE

Polygonum Auberti. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., 65c; 3 for \$1.75; doz., \$6.50.

HARDY ENGLISH IVY

Hedera Helix Gracilis. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. 4 in. pots, 50c; 3 for \$1.35; doz., \$5.00; 2½ in. pots, each, 35c; doz., \$2.75; 100, \$15.00.

HONEYSUCKLE (*Lonicera*)

Excellent vines for covering arbors, fences, pergolas, verandas, etc., and for ground planting under trees. If used on terraces or embankments will prevent washing. All are hardy and improve in beauty yearly.

Everblooming Honeysuckle (*Lonicera Heckrotti*). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 60c; 3 for \$1.65.

Golden Giant Honeysuckle (*Lonicera Tellmanniana*). Long, giant, tubular flowers of an intensely rich golden yellow tipped with bronzy red. Blooms profusely in June. 2 yr., 75c; 3 for \$2.00.

Hall's Honeysuckle (*Lonicera Japonica Halleana*). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., 60c; 3 for \$1.50; doz., \$5.00; 3 yr., 75c; 3 for \$2.00.

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. 40c; 3 for \$1.10.

WISTARIA

Very strong growing vines that climb high and twine tightly. To get the best bloom, do not over-water or over-fertilize, but prune regularly, cutting back all superfluous growth in August and again in September.

Chinese Wistaria (Wistaria Sinensis). Blooms very profusely early in summer; flowers violet-blue, in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., grafted, 90c.

Multijuga Naga Noda. This variety has astonishingly long clusters of light purple flowers. On well-established vines they will run 3 to 4 ft. in length. Stock very scarce. 2-yr., grafted, \$1.50.

Pink Wistaria (Wistaria Multijuga Rosea). The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. 1 yr., grafted, \$1.00.

White Chinese Wistaria (Wistaria Sinensis Alba). Pure white, very fragrant, 2 yr., grafted, 90c.

ASK FOR OUR COMPLETE LIST OF
CLEMATIS

Vaughan's Seed Store 101



BEAUTY BUSH

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."

ALMOND (*Prunus*)

Flowering Almond (*Prunus Glandulosa*). 4 to 6 ft. These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion or small very double white or pink, rose-like flowers that are closely set along the branches.

Double Pink 2 to 3 ft., 90c; 3, \$2.25; 10, \$7.50.

Double White 2 to 3 ft., 90c; 3, \$2.25.

BARBERRY (*Berberis*)

Green Leaved Barberry (*B. Thunbergi*). 4 ft. Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., 40c; 10, \$3.50; 100, \$30.00; 24 to 30 in., 50c; 3, \$1.40; 10, \$4.50; 100, \$40.00.

Mentor Barberry (*B. Mentorensis*). (Patent No. 99) 3 ft. It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 18 to 24 in., 75c; 3, \$2.00; 10, \$5.00; 100, \$40.00; 24 to 30 in., 90c; 3, \$2.60; 10, \$6.50; 100, \$50.00.

Red-Leaved Barberry (*B. Thun. Atr. Purpurea*). 4 ft. The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 18 to 24 in., 55c; 3, \$1.50; 10, \$4.50; 100, \$40.00.

Truehedge Columberry (*B. Thun. Erecta*). (Patent No. 110) 4 to 5 ft. Of distinct pyramidal habit, it may be used for formal hedge or individual specimens without pruning. 18 to 24 in., 50c; 3, \$1.35; 10, \$4.00; 25, \$8.25; 100, \$30.00.

Korean Barberry (*B. Koreana*). 6 ft. Its large leaves turn red orange and purple in the autumn. Has bright red berries that hang on late into winter. 3 to 4 ft., 90c; 3, \$2.50; 10, \$7.50; 4 to 5 ft., \$1.00; 3, \$2.75; 10, \$8.50.

BEAUTY BUSH (*Kolkwitzia Amabilis*)

Its trumpet-shaped pink flowers make a wonderful showing in June. Grows from 6 to 8 ft. tall and fully that wide. 18 to 24 in., 75c; 3, \$2.00.

BIRCH (*Betula*)

European White Birch (*B. Alba*). 30-40 ft. Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., \$2.50; 6 to 7 ft. clumps, \$3.00.

Cut-Leaved Weeping Birch (*B. Pendula Gracilis*). 30-40 ft. An unusually graceful drooping tree, with deeply cut foliage and silvery white bark at maturity. 8 to 10 ft., \$3.75.

HYBRID BLUEBERRIES

Highly Ornamental Plants—Delicious Fruits. 3 to 5 ft. Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreen or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we only sell 3 or more plants to a customer so that we can supply more than one variety. Price, 2-year clumps, 3 for \$2.25; 5 for \$3.50.

Flowering Trees and Shrubs

BRIDAL WREATH (*Spiraea*)

5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., 40c; 3, \$1.10; 10, \$3.00; 100, \$25.00; 3 to 4 ft., 55c; 3, \$1.50; 10, \$4.50; 100, \$35.00.

BURNING BUSH (*Euonymus*)

Winged Burning Bush (*E. Alatus*). 6 to 8 ft. Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 2 to 3 ft., \$1.50; 3, \$4.00; 3 to 4 ft., \$2.00; 3, \$5.00.

Dwarf Burning Bush (*E. Alatus Compacta*). 4 to 6 ft. A compact form of the above. 18 to 24 in., \$1.25; 3, \$3.25; 2 to 2½ ft., \$2.00; 2½ to 3 ft., \$2.50.

European Burning Bush or Spindletree (*E. Europaeus*). 12 to 14 ft. Very handsome in autumn and winter when it is loaded with rose-colored and orange berries. 2 to 3 ft., 60c; 3, \$1.65; 3 to 4 ft., 75c; 3, \$2.00; 4 to 5 ft., 90c; 3, \$2.50.

FOUR NEW BUDDLEIAS (Butterflybushes) \$1.95

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. The stalks die to the ground each winter but come up vigorously again in the spring.

Concord. 3 to 4 ft. The buds and newly opened flowers are the color of Concord Grapes, changing to a dark red. Flower spikes are of tremendous length.

Dubonnet. 4 ft. A splendid new color, matching that of the French Dubonnet wine, glowing red in the sun or under artificial light.

Eleanor. 2½ to 3 ft. Full, compact, flower heads of a beautiful shade of Eleanor-blue with orange eye. Keeps well cut. Dwarf bushy growth.

Orchid Beauty. 3 to 4 ft. One of the finest Buddleias in existence, having flower heads up to 24 inches in length, broad at the base. Individual florets fringed; color soft cattleya-lilac with brilliant orange eye. Strong grower, heavy foliage; excellent cut-flower.

Prices of above, field grown, each, 65c; 3 for \$1.75.

HARDY BUTTERFLY BUSH

Buddleia Alternifolia. 4 to 6 ft. Does not freeze to the ground in winter. Its flowers are lavender-purple with a reddish crimson eye and are borne many together in compact rounded clusters from the axils of the leaves in early summer. Forms a beautiful bush. 18 to 24 in., 60c; 3, \$1.65.

BRILLIANT CHOKEBERRY

Aronia Brilliantissima. 6 to 8 ft. Brilliant red berries in August that remain until winter and bright crimson foliage in fall. 18 to 24 in., 60c; 3, \$1.65; 2 to 3 ft., 75c; 3, \$2.00.

CORALBERRY (New Red)

Symphoricarpos Chenaulti. 3 to 4 ft. Has bright coral-red berries in fall. Succeeds in shade. 2 to 3 ft., 50c; 3, \$1.35; 3 to 4 ft., 60c; 3, \$1.65.

COTONEASTER

Peking Cotoneaster (*Acutifolia*) 5 to 10 ft. Small leathery leaves of rich glossy green, jet black berries in fall. Extremely hardy, it makes one of our finest hedges. Can be trimmed like Privet. 3 to 4 ft., 70c; 3, \$1.80; 10, \$6.00; 100, \$50.00.

CRAB, FLOWERING (*Malus*)

Carmine Crab (*M. Atrosanguinea*). 10 to 15 ft. Similar to the Floribunda, with carmine flowers which do not fade. 4 to 5 ft.

Eleyi Crab (*M. Eleyi*). 10 to 15 ft. Red foliage in spring later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color about the size of cherries. 4 to 5 ft., 5 to 6 ft.

Floribunda Flowering Crab (*M. Floribunda*). 10 to 15 ft. Forms a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers open red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter. 4 to 5 ft., 5 to 6 ft., 6 to 8 ft.

Price of above, except where noted, 4 to 5 ft., \$1.75; 10, \$15.00; 5 to 6 ft., \$2.25; 10, \$20.00; 6 to 8 ft., 1 to 1¼ in. caliper, \$2.75. For other varieties and larger sizes, write for prices.

CRAB—Continued

Bechtel's Double-Flowering Crab (*M. loensis*

Bechteli). 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

Sargent Crab (*M. Sargentii*). 5 to 6 ft. Dwarf, spreading variety. Flowers pure white; dark red fruits that remain until spring. 4 to 5 ft., 1¼ to 1½ in. caliper, \$5.25.

DOGWOOD (*Cornus*)

Coral Dogwood (*C. Alba Sibirica*). 6 to 10 ft. Bright coral-red branches. 2 to 3 ft., 50c; 3, \$1.35; 3 to 4 ft., 60c; 3, \$1.65.

Goldentwig Dogwood (*C. Stol. Flaviramea*). 6 to 10 ft. Attractive golden yellow bark. 2 to 3 ft., 50c; 3, \$1.35; 3 to 4 ft., 60c; 3, \$1.65.

Gray Dogwood (*C. Paniculata*). Very attractive in fall with its red foliage and clusters of white berries; bark gray. 2 to 3 ft., 50c; 3, \$1.35; 10, \$4.00; 3 to 4 ft., 60c; 3, \$1.65; 10, \$5.00.

Red Flowering Dogwood (*C. Florida Rubra*). 15 ft. A small, upright tree that produces large, deep rose-colored flowers in early spring. Very showy. 4 to 5 ft., B & B, \$5.75.

ELM (*Ulmus*)

3 Quick Growing Varieties

American Elm, Moline Type. 80 to 100 ft. Exceedingly large foliage. Of upright habit. Splendid tree for the street or for small yards.

American Elm, Vase Type. 80 to 100 ft. A true vase-shaped tree.

Chinese or Siberian Elm (*U. Pumila*). 75 ft. On account of its rapid growth, resistance to disease and ability to thrive in almost any situation, this is one of the most popular shade and street trees in America.

(Prices of the above 3 Elm Trees as follows):

| Height | Caliper | Each | 10 for |
|---------------|---------------|---------|---------|
| ✓ 8 to 10 ft. | 1 to 1½ inch | \$2.00— | \$17.50 |
| 8 to 10 ft. | 1½ to 1¾ inch | 2.25 | 20.00 |
| 10 to 12 ft. | 1½ to 1¾ inch | 2.75 | 25.00 |
| 10 to 12 ft. | 1¾ to 2 inch | 3.50 | 32.50 |
| 12 to 14 ft. | 2 to 2¼ inch | 4.00 | 37.50 |

Larger sizes, prices on application.

CHINESE ELM HEDGING

Ulmus Pumila. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart, 2 to 3 ft. seedlings, not transplanted, 10, \$1.50; 50, \$6.00; 100, \$10.00.

ESPALIER FRUIT TREES

Ask for our circular, with prices, illustrating these highly ornamental and productive Trees, which are especially suited to the small garden and for special purposes.

FIREBUSH OR FLOWERING QUINCE

Cydonia Japonica. 4 to 5 ft. Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., 50c; 3, \$1.35; 2 to 3 ft., 60c; 3, \$1.65.



DWARF BURNING BUSH

for the Home Landscape

GOLDEN BELL (Forsythia)

Border Forsythia (F. Intermedia). 6 to 8 ft. Bright golden yellow flowers in early spring. 2 to 3 ft., 50c; 3, \$1.35; 3 to 4 ft., 60c; 3, \$1.65; 4 to 5 ft., 70c; 3, \$1.85; 10, \$6.00; 5 to 6 ft., 80c.

Korean Golden Bell (F. Ovata). 5 to 8 ft. Extremely hardy and very early. The flowers are pale primrose-yellow. 2 to 3 ft., 75c; 3, \$2.00.

Showy Border Golden Bell (Forsythia Intermedia Spectabilis). 6 to 8 ft. Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 2 to 3 ft., 55c; 3, \$1.50; 3 to 4 ft., 65c; 3, \$1.75; 4 to 5 ft., 75c.

HAWTHORN (Crataegus)

Paul's Double Scarlet Hawthorn (C. Oxyacantha Splendens). 12 to 15 ft. Very showy blossoms of bright scarlet color, large, full and very double. 3 to 4 ft., \$2.50; 4 to 5 ft., \$3.00.

HEATHERMINT (Elsholtzia Stauntoni)

3 to 4 ft. An excellent autumn flowering shrub producing attractive spikes of reddish purple flowers, resembling heather; September and October. The leaves of the plant, when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in., 75c; 3 for \$2.00; 2 to 3 ft., 85c; 3, \$2.25.

HYDRANGEA

Peegee Hydrangea (H. Paniculata Grandiflora). 8 to 10 ft. Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August.

Snowball Hydrangea (H. Arborescens Grandiflora). 4 ft. Large, flat heads of snow-white flowers in June and July. Thrives in shade.

Prices of above, two Hydrangea, 18 to 24 in., 60c; 3, \$1.65; 10, \$5.00; 2 to 3 ft., 75c; 3, \$2.00.

Oak-Leaved Hydrangea (Hydrangea Quercifolia). 18 to 24 in., 90c; 3, \$2.50.

Blue Hydrangea. 2 ft. A beautiful Hydrangea of deep and intense blue. Blooms for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. \$1.50.

HONEYSUCKLE (Lonicera)

White Belle H. (L. Bella Albida). 8 to 10 ft. Upright in growth, excellent for hedges. White flowers, red fruits. 3 to 4 ft., 55c; 3, \$1.50; 10, \$4.50; 4 to 5 ft., 65c; 3, \$1.75; 10, \$5.00.

Tatarian Honeysuckle. 9 to 10 ft. One of our best shrubs for screen and border plantings.

Pink or White. 3 to 4 ft., 60c; 3, \$1.65; 10, \$5.00. Red. 3 to 4 ft., 70c; 3, \$1.95; 10, \$6.00.

Winter Honeysuckle (L. Fragrantissima). 6 to 8 ft. Small creamy-white, very fragrant flowers in late March or early April. Dark green, almost evergreen foliage. 3 to 4 ft., 75c; 3, \$2.00.

KERRIA (Corchorus)

Japonica Flore Pleno (Double Kerria). 4 to 5 ft. Showy, bright double yellow flowers from June to September. 2 to 3 ft., 90c; 3, \$2.50.



HEATHERMINT

LILAC SPECIES

Hungarian Lilac (Syringa Josikaea). 8 to 10 ft. Dark lilac-colored flowers, blooming the first week in June. 3 to 4 ft., 75c; 3, \$2.00; 4 to 5 ft., 90c.

Lilac (Syringa Japonica). 15 to 20 ft. The last of the Lilacs to bloom, bearing its small creamy-white flowers in upright clusters from 12 to 18 inches long in June and July. 3 to 4 ft., \$1.00; 3, \$2.70.

Late Lilac (Syringa Villosa). 7 to 8 ft. An attractive round topped shrub with bright green foliage. Flowers flesh-colored and borne in clusters. Blooms after the common Lilacs are gone. 3 to 4 ft., 70c; 3, \$1.85; 4 to 5 ft., 80c; 3, \$2.10; 5 to 6 ft., \$1.00.

Persian Purple (Syringa Persica). 8 to 10 ft. The most graceful and freely flowering of the Lilacs, with purple-lavender flowers, in loose panicles. 2 to 3 ft., 55c; 3, \$1.50; 10, \$4.50; 3 to 4 ft., 65c; 3, \$1.75; 10, \$5.50.

FRENCH HYBRID LILACS (Syringa)

Charles Joly. Double flowers of dark wine-red with silvery reverse. 2 to 3 ft., 3 to 4 ft., 4 to 5 ft.

Charles X. Magnificent trusses of single, reddish-purple flowers. Fragrant. 2 to 3 ft., 3 to 4 ft.

Edith Cavell. Very showy, creamy white flowers in extra large, long cone-shaped panicles. 18 to 24 in., \$1.50; 2 to 3 ft., \$2.00.

Lucie Ballet. Buds coppery old rose; flowers flesh-pink. Said to be the nearest to pure pink. Very beautiful and unusual single that attracts much attention. 18 to 24 in., \$2.00.

Pres. Grevy. Large compact clusters of double flowers of very fine blue. 2 to 3 ft., 3 to 4 ft.

Sizes which we have to offer noted after each variety.

Prices of above, except where noted, 2 to 3 ft., each, \$1.50; 3 for \$3.75; 3 to 4 ft., each, \$2.00; 3 for \$5.00; 4 to 5 ft., each, \$2.50.

SPECIAL OFFER LILACS (French Hybrids)

A beautiful assortment of double and single, named varieties, labeled, our selection, at bargain prices. Plant a single specimen, a group, or a whole hedge. Specify color preferred and we will supply as near as possible. 2 to 3 ft., \$1.00; 3, \$2.75; 10, \$8.50; 3 to 4 ft., \$1.50; 3, \$3.75; 10, \$12.00.

LINDEN (Tilia)

Pyramidal European Linden (Tilia Platyphyllos Pyramidalis). 60-80 ft. New Linden of true pyramidal form. It does not attain the extreme narrow effect of the Lombardy Poplar, but will fill its place in many landscapes where a narrow tree of long life is needed. 6 to 8 ft., \$3.75.

MAGNOLIA

Saucer Magnolia (M. Soulangeana). 20 ft. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, delightfully fragrant, rosy pink when in bud. A full-sized tree is a bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B. & B., \$5.00; 3 to 4 ft., B. & B., \$7.50; 4 to 5 ft., B. & B., \$9.50; 5 to 6 ft., B. & B., \$12.00.

MAIDENHAIR TREE

Ginkgo Biloba. 50-60 ft. A highly ornamental tree of slender, upright habit. The leaves are fan-shaped deep green, turning to rich golden yellow in fall. It is immune to the attacks of insects and diseases and will thrive in the unnatural conditions of our cities. 6 to 8 ft., 3/4 to 1 inch caliper, \$4.00; 8 to 10 ft., 1 to 1 1/4 inch caliper, \$5.00.

MOUNTAIN ASH

Sorbus Aucuparia. 25 to 30 ft. A handsome tree with compound leaves of dark green turning to a golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 6 to 8 ft., \$2.25; 8 to 10 ft., \$2.75; 8 to 10 ft., 1 1/4 to 1 1/2 inch caliper, \$3.25.

MAPLE (Acer)

Columnar Norway Maple (Acer Platanoides Columnare). 50-60 ft. Compact columnar form of the Norway Maple. 6 to 7 ft., \$3.00; 7 to 8 ft., \$3.25.

Norway Maple (Acer Platanoides). 50 to 75 ft. A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn.

| Height | Caliper | Each | 10 for |
|-------------|---------------------|--------|---------|
| 8 to 10 ft. | 1 to 1 1/4 inch | \$3.00 | \$27.50 |
| 8 to 10 ft. | 1 1/4 to 1 1/2 inch | 3.25 | 30.00 |
| 8 to 10 ft. | 1 1/2 to 1 3/4 inch | 3.75 | 35.00 |

Larger sizes, prices on application.



HYBRID LILAC

MAPLE—Continued

Schwedler Maple (Acer Platanoides Schwedleri). 40 to 60 ft. Gleaming red and purple leaves in spring, changing to dark green during summer. 6 to 8 ft., \$2.50.

Sycamore Maple (Acer Pseudoplatanus). 50 to 60 ft. Leaves deep green, glaucous beneath. 8 to 10 ft., 1 to 1 1/4 in., \$2.75.

Purple Sycamore Maple (Acer Pseudoplatanus Purpurens). 40-50 ft. Of robust spreading habit. Large leaves, green above and rich purple-red beneath. 8 to 10 ft., 1 to 1 1/4 in. caliper, \$3.00.

MOCK ORANGE (Philadelphus)

P. Grandiflorus. 7 to 8 ft. Very free flowering. Single white blossoms. 3 to 4 ft., 50c; 3, \$1.35; 10, \$4.00; 4 to 5 ft., 60c; 3, \$1.65; 10, \$5.00.

Lemoine. 4 to 5 ft. Single, creamy white, fragrant flowers. 2 to 3 ft., 50c; 3 ft., \$1.35; 3 to 4 ft., 60c.

Sweet Mock Orange (P. Coronarius). 8 to 10 ft. The old-fashioned single white; sweet-scented. 3 to 4 ft., 50c; 3, \$1.35; 10, \$4.00; 4 to 5 ft., 60c; 3, \$1.65; 10, \$5.00.

Virginalis. 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual flowers often 3 inches across, throughout the summer. 2 to 3 ft., 65c; 3 for \$1.75; 3 to 4 ft., 75c; 3 for \$2.00.

OCEAN SPRAY

Holodiscus Discolor. 3 to 5 ft. This shrub is appropriately named, as the graceful large clusters of drooping, creamy white flowers in July remind one of breaking, small white caps of waves. 2 to 3 ft., 90c; 3 for \$2.50.

PRIVET HEDGE (Ligustrum)

Amur Privet (L. Amurensis). 12 ft. One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in., \$1.50; 100, \$12.00; 18 to 24 in., heavy 25c; 10, \$1.75; 100, \$15.00; 2 to 3 ft., heavy 30c; 10, \$2.50; 100, \$20.00; 3 to 4 ft., heavy 35c; 10, \$3.00; 100, \$25.00.

Regal Privet (L. Iboia Regelianum). 8 to 10 ft. Dark, glossy green leaves; spreading, graceful habit. Grows well in sun or shade. 2 to 3 ft., 65c; 3 for \$1.75; 10, \$5.00.

PLUM (Prunus)

Double-Flowering Plum (Prunus Triloba). 7 to 8 ft. Flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. 3 to 4 ft., \$1.00; 3 for \$2.75.

Nanking Cherry (Prunus Tomentosa). 4 to 6 ft. An extremely hardy shrub with pale pink flowers followed by brilliant scarlet, edible fruits that ripen in June. 2 to 3 ft., 60c; 3, \$1.65; 3 to 4 ft., 75c; 3 for \$2.00; 10, \$6.00; 4 to 5 ft., \$1.00; 3, \$2.70.

Newport Purple-Leaf Plum (Prunus Cerasifera Newport). 12 to 15 ft. A small tree shrub. The leaves, when young, are lustrous crimson, changing to a dark purple. 4 to 5 ft., \$1.25; 5 to 6 ft., \$1.50.

Vaughan's Nursery Price List

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request.

ROSE OF SHARON

Hibiscus or Shrub Althaea. 6 to 12 ft. A tree-like shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. Double pink, purple, red, or white. 3 to 4 ft., 65c; 3, \$1.75.
Single Blue (Coelestis). 3 to 4 ft., 75c; 3, \$2.25.

HYBRID RUGOSA ROSES

Prices, 2 year, 65c; 3, \$1.80; 10, \$5.50.

Agnes. Double, sweet-scented, amber yellow flowers early in June. Gray-green crinkled foliage.
Belle Poitevine. 5 to 6 ft. Very large, full double, loosely formed flowers of bright pink all summer.
Blanc Double De Coubert. 5 to 6 ft. Double pure white flowers of large size all summer.
Hansa. 5 to 6 ft. Double, reddish-violet flowers of large size, freely produced. Very sweet scented.
F. J. Grootendorst. 5 to 6 ft. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost.
Pink Grootendorst. 5 to 6 ft. A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink.

SNOWBALL

Clove-scented Snowball (Viburnum Carlesi). 4 ft. This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious clove-scented fragrance. Hardy, but best planted in a somewhat sheltered position. 15 to 18 in., \$1.75.
Fragrant Snowball (Viburnum Fragens). 8 to 9 ft. In April, its leafless branches are clothed with profuse trusses of white flowers that are deliciously fragrant. 3 to 4 ft., B. & B., \$5.00.
Gardenia-scented Snowball (Viburnum Burk. woodii). 5 ft. This new garden aristocrat is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Foliage is rich, glossy green, brilliantly tinted in autumn. Resembles the popular Viburnum Carlesi, but blooms 2 weeks earlier and is a much better shrub. 15 to 18 in., \$2.00; 18 to 24 in., \$2.75.
Old-Fashioned Snowball (V. Opulus Sterile). 8 to 10 ft. Large balls of white flowers in May. 2 to 3 ft., 75c; 3, \$2.00; 3 to 4 ft., \$1.00; 3, \$2.75.

EVERBLOOMING SPIRAEA

Spiraea Froebeli. 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., 45c; 3, \$1.20; 10, \$3.50; 24 to 30 in., 50c; 3, \$1.35; 10, \$4.00; 2½ to 3 ft., 60c; 3, \$1.65; 10, \$4.50.
Spiraea Anthony Waterer. 2½ ft. Flat clusters of rosy-crimson flowers throughout the summer and fall. 15 to 18 in., 50c; 3, \$1.35; 10, \$4.00; 18 to 24 in., 60c; 3, \$1.65; 10, \$5.00.

SPIRAEA Thunbergii

3 to 4 ft. Dwarf habit, rounded and graceful form. Foliage yellowish-green, flowers small, white, appearing early in spring, being one of the first spiraeas to flower. 24 to 30 in., 50c; 3, \$1.35; 10, \$4.00; 3 to 4 ft., 60c; 3 for \$1.65.

TAMARIX SUMMER GLOW

Hispida Aestivalis Rubra. 8 to 10 ft. Magnificent new variety with wine-red flower spikes that appear all during the summer. Feathery gray-green foliage. 2 yr., No. 1, 75c; 3, \$2.00.

VITEX MACROPHYLLA

Lilac Chaste Tree. 3 to 4 ft. An attractive and unusual shrub with handsome dark green foliage and attractive bright lavender blue flowers produced from July until frost. 18 to 24 in., 75c; 3, \$2.00; 10, \$6.00.

VIBURNUM

Beautiful Autumn Fruits and Foliage.

Arrow Wood (V. Dentatum). 10 to 12 ft. Of upright habit; dark green foliage which changes to purple and red in autumn. White flowers in flat clusters in June; dark blue fruits in autumn. Succeeds in shade. 3 to 4 ft., 75c; 3, \$2.00; 4 to 5 ft., 95c; 3, \$2.50.

Wayfaring Tree (V. Lantana). 15 ft. Large robust shrub with soft, heavy leaves, silvery beneath. Clusters of white flowers in May succeeded by red fruit, turning black in autumn; retains its foliage very late. 3 to 4 ft., 65c; 3, \$1.65; 4 to 5 ft., 75c; 3, \$2.00; 5 to 6 ft., \$1.00.

WEeping WILLOW

Salix Babylonica. 30 to 40 ft. Wavy, bright green foliage borne on very slender, pendant branches. An old favorite and a very graceful tree. 8 to 10 ft., \$2.00.

VAUGHAN'S EVERGREENS

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.



PFITZER JUNIPER. Best of all Evergreens

ARBORVITAE (Thuja)

Globe Arborvitae (T. Occidentalis Globosa). A round, compact form with deep green foliage. 12 in., \$2.00; 15 in., \$2.50; 18 in., \$3.00.
Pyramidal Arborvitae (T. Occidentalis Pyramidalis). A compact, narrow pyramidal tree, 2½ to 3 ft., \$2.75; 3 to 3½ ft., \$3.50; 3½ to 4 ft., \$4.00; 4 to 4½ ft., \$4.50; 4½ to 5 ft., \$5.00.
Rosenthal Arborvitae (T. Occidentalis Rosenthalii). Compact, pyramidal form; dark green foliage. 2½ to 3 ft., \$4.25; 3 to 3½ ft., \$4.75; 3½ to 4 ft., \$5.25.

CEDAR (Juniperus)

Redcedar (J. Virginiana). Tall growing, one of the best known evergreens. 2 to 2½ ft., \$3.00; 4½ to 5 ft., \$5.75; 5 to 5½ ft., \$6.50.
Burk Redcedar (J. Virg. Burki). An improved form of Silver Redcedar. 3½ to 4 ft., \$6.50; 4 to 4½ ft., \$7.50; 4½ to 5 ft., \$9.00.
Cannart Redcedar (J. Virg. Cannarti). Fine Pyramidal form with heavily tufted deep green foliage. 2½ to 3 ft., \$5.00; 3 to 3½ ft., \$5.75; 3½ to 4 ft., \$6.75; 4 to 4½ ft., \$7.75; 4½ to 5 ft., \$9.00.
Silver Redcedar (J. Virg. Glauca). One of our choicest evergreens with attractive blue tinged foliage. 2½ to 3 ft., \$4.50; 3 to 3½ ft., \$5.50; 3½ to 4 ft., \$6.50; 4 to 4½ ft., \$7.75; 4½ to 5 ft., \$9.00; 5 to 5½ ft., \$10.00.
Schott Redcedar (J. Virg. Schotti). Pyramidal form with attractive light green foliage. 3 to 3½ ft., \$5.75; 3½ to 4 ft., \$6.50; 4 to 4½ ft., \$7.50.
Dundee Juniper (J. Virg. Pyramidiformis Hillii). Dense conical form: bluish gray-green foliage, plum colored in winter. 2½ to 3 ft., \$5.00; 3 to 3½ ft., \$6.00; 3½ to 4 ft., \$6.75; 4 to 4½ ft., \$7.50.

FIR (Abies)

White Fir (A. Concolor). Tall, pyramidal tree; with foliage of varying shades of dark green and blue. 18 to 24 in., \$3.25; 2 to 2½ ft., \$4.00; 2½ to 3 ft., \$5.50; 3 to 3½ ft., \$6.50; 3½ to 4 ft., \$7.50.

WEIGELA (Diervilla)

Abel Carrieri. 6 ft. One of the best of all Weigelas and one of the most floriferous, producing quantities of large, showy, trumpet-shaped pink and carmine flowers in June. 2 to 3 ft., 65c; 3 for \$1.75; 3 to 4 ft., 80c; 3, \$2.25.
Bristol Ruby. (Plant Patent No. 492.) 6 ft. Splendid new variety that blooms profusely in June and early July and occasionally later in the season. Color in effect is a soft ruby-red shading to garnet-crimson. Vigorous grower forming a nice, compact bush. 2 to 3 ft., \$1.25; 3 to 4 ft., \$1.75.
Crimson Weigela (Floribunda). 6 ft. Crimson flowers in June and July. 2 to 3 ft., 65c; 3, \$1.75.
Pink Weigela (Rosea). 5 to 6 ft. Large, rosy-pink flowers in June. 2 to 3 ft., 55c; 3, \$1.50; 3 to 4 ft., 65c; 3, \$1.75.

BRONZE WINTERCREEPER

Euonymus Radicans Colorata. The foliage is intense green in the summer, turning to bright red and bronze in autumn and winter. It is a fast grower, and if planted in the open adheres to the ground, sticking very close, the branches rooting as they go along, making a dense cover. 15 to 18 in., 55c; 3, \$1.50; 18 to 24 in., 60c; 3, \$1.65.

JUNIPER (Juniperus)

Canadian Juniper (J. Canadensis). Dwarf evergreen of erect habit; grayish green foliage. 12 to 15 in., \$1.50; 15 to 18 in., \$1.90; 18 to 24 in., \$2.75; 2 to 2½ ft., \$3.50.
Keteleer Juniper (J. Chin. Keteleeri). Similar to Cannart Redcedar, but of more open growth and pyramidal habit. 3 to 3½ ft., \$5.00; 3½ to 4 ft., \$6.00; 4 to 4½ ft., \$7.00; 4½ to 5 ft., \$8.00; 5 to 5½ ft., \$9.00.
Pfitzer Juniper (J. Chin. Pfitzeriana). One of the best Junipers. Of broad, bushy growth, with thick, rich green foliage. 15 to 18 in., \$2.50; 18 to 24 in., \$3.50; 2 to 2½ ft., \$5.00; 2½ to 3 ft., \$6.00; 3 to 3½ ft., \$7.00.
Andorra Juniper (J. Communis Depressa Plumosa). Of prostrate habit; foliage bright green in summer, rich reddish purple in winter. 18 to 24 in., \$4.00; 2 to 2½ ft., \$4.50; 2½ to 3 ft., \$5.00.
Savin Juniper (J. Sabina). A dwarf evergreen with semi-erect spreading branches. 15 to 18 in., \$2.50; 18 to 24 in., \$3.00; 2 to 2½ ft., \$3.75.
Creeping Savin Juniper (J. Sabina Horizontalis). A trailing variety with light green foliage. 18 to 24 in., \$2.75; 2 to 2½ ft., \$3.50; 2½ to 3 ft., \$4.00.
Von Ehron Savin Juniper (J. Sabina Von Ehron). Semi-spreading; very dark green foliage. 18 to 24 in., \$3.50; 2 to 2½ ft., \$4.50; 2½ to 3 ft., \$5.50.

SPRUCE (Picea)

Black Hill Spruce (P. Canadensis Albertiana). A very dense, compact growing spruce with green or bluish foliage. 18 to 24 in., \$3.00; 2 to 2½ ft., \$4.00; 2½ to 3 ft., \$4.75; 3 to 3½ ft., \$5.50; 3½ to 4 ft., \$6.50; 4 to 4½ ft., \$7.50.
Colorado Blue Spruce (P. Pungens Glauca). Very showy, rich silvery blue foliage. 2 to 2½ ft., \$5.50; 2½ to 3 ft., \$6.50; 3 to 3½ ft., \$7.50; 3½ to 4 ft., \$9.50; 4 to 4½ ft., \$12.00; 4½ to 5 ft., \$14.00.
Colorado Green Spruce (P. Pungens). A very popular variety with heavy, light green foliage. 18 to 24 in., \$2.50; 2 to 2½ ft., \$3.50; 2½ to 3 ft., \$4.00; 3 to 3½ ft., \$4.75; 3½ to 4 ft., \$5.50.
Moerheim Blue Spruce (P. Pungens Moerheimi). "The Aristocrat" of all evergreens. Foliage bright, intense steel blue. 2 ft., \$7.00; 2½ ft., \$8.50; 3 ft., \$10.50; 3½ ft., \$12.50; 4 ft., \$16.00.

PINE (Pinus)

Mugho Pine (P. Mont. Mughus). Good low growing evergreen. 12 in., \$2.00; 15 in., \$3.50; 18 in., \$4.25; 2 ft., \$5.00.

YEW (Taxus)

Spreading Yew (T. Cuspidata). Of dense, spreading growth, with heavy, dark green foliage. 15 to 18 in., \$4.50; 18 to 24 in., \$6.00; 2 to 2½ ft., \$7.00; 2½ to 3 ft., \$9.50.
Upright Yew (T. Cusp. Capitata). An upright or pyramidal form with glossy, deep green foliage. 18 to 24 in., \$4.00; 2 ft., \$5.50; 2½ ft., \$7.00; 3 ft., \$8.50; 3½ ft., \$10.00.
Hick's Yew (T. Media Hicksi). A distinct columnar form with rich, deep green foliage. 2 to 2½ ft., \$4.50; 2½ to 3 ft., \$6.00; 3 to 3½ ft., \$8.00; 3½ to 4 ft., \$10.00.

Write for prices on larger sizes of Evergreens.

WITCH HAZEL (Winter-Blooming)

Hamamelis Vernalis. 5 to 6 ft. Blossoms as early as January and will continue to bloom for a long time. The profusion of flowers have a spicy fragrance and vary from bright yellow to shades of old gold, reddish brown and maroon. Best results when planted in sheltered place well open to winter sun. 2 to 3 ft., \$1.00.

DWARF FRUIT TREES

These dwarf trees have low broad heads so that fruit can easily be picked and they take up little room in the garden or on the lawn. They usually bear good crops within 3 or 4 years and the fruit is of extra high quality. Plant 8 feet apart, and each spring trim off one-third to one-half of the previous season's growth.

Dwarf Apples. Delicious, Yellow Transparent or Jonathan, 2 yr., 3 to 5 ft., \$1.75; 3, \$5.00.

Dwarf Pears. Bartlett, Kieffer or Seckel, 2 yr., 3 to 5 ft., \$1.10; 3, \$3.00.

QUINTUPLET APPLE TREE

5 Kinds of Apples on One Tree
Anoka, Delicious, Jonathan, Yellow Delicious and Yellow Transparent. This is the ideal tree for the small yard, 5 different varieties of apples are grafted on the main stock of one tree, which will give you good apples for summer, fall, and winter. 2-year trees, 4 to 5 ft., 1½ in. caliper \$2.25 each.

Vaughan's Irises



PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Iris is the most effective if planted 3 of a kind in a clump.

*Indicates outstanding garden varieties.

OUTSTANDING VARIETIES

★**Alta California.** 48 in. Superb flowers of deep golden yellow, faintly bronzed, on strong branched stems. Blooms of firm texture, unmarred by sun or rain. 25c.

Angelus. 36 in. Exquisite bright pink with a bluish flush on the falls and a golden haft. Mammoth flowers of exceptionally heavy substance and fine flaring form. Late. 75c.

Buechly Giant. 40 in. This new variety has the largest flowers of any Iris we grow. It is a clear lavender blue bicolor that has the perfect form of Frieda Mohr. 25c.

California Gold. 36 in. A super novelty with magnificent, large flowers of dazzling, deep golden yellow. Good garden variety as it does not fade. Late. 35c; 3 for 90c.

★**Crystal Beauty.** 40 in. Large, perfectly shaped flowers of pure snow white on well branched stalks. 25c; 3 for 60c.

E. B. Williamson. 36 in. An excellent new iris of rich, glowing copper-red, almost a self, with a silky, lustrous finish. Unusual in color, perfect in form, and strong in growth, it is one of the finest of all Irises. \$1.00.

★**El Capitan.** 40 in. Huge flowers of light-violet blue. A magnificent variety that is wanted by everyone that sees it. Exhibition blooms have measured 7 inches across and 9 inches high. 25c; 3 for 60c.

★**Frieda Mohr.** 42 in. A gigantic lilac-pink bicolor 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. 25c; 3 for 60c.

Golden Treasure 38 in. An exquisite new creamy yellow iris with a glowing golden heart and rich yellow beard. Huge flowers and perfectly branched stems. 60c.

Indian Hills. 37 in. A stunning iris of clear rich wine purple. Its large blooms are of good substance and fine, oval form. They have great carrying power and make a glorious mass of color in the garden. 50c; 3 for \$1.25.

★**Indian Chief.** 40 in. Every garden should have this fine red. S. pinkish red; F. glowing velvety red. Large well-shaped flowers of heavy substance. 25c; 3 for 60c.

Midwest Gem. 36 in. Truly a gem and one of the very best new Sass varieties. Immense ruffled flowers of luminous apricot, flushed pink, on strong branching stalks. Very fragrant, unusual and beautiful. 90c.

De Luxe Iris Collection. One each of Angelus, E.B. Williamson, Golden Treasure, Indian Hills, Midwest Gem and Ormohr. (value \$5.75) for \$3.75. (Prepaid 600 miles from Chicago.)

Ormohr. 40 in. One of the most spectacular irises ever introduced. The flowers are of colossal size, the standards beautifully domed, the falls broad and semi-flaring; substance excellent. The color is a soft gray lavender-veined violet with a rosy glow over all. \$2.00.

★**Pink Satin.** 42 in. Large, finely shaped flowers of a very delicate and smooth, yet glistening pink. 25c; 3 for 60c.

Prairie Sunset. 37 in. A gorgeous new blend of peach, apricot, rose, copper and gold that captures and holds within itself all the warm, glowing colors of the western sunset. It has one of the highest ratings of Irises. \$10.00.

Radiant. 33 in. One of the most freely blooming iris ever produced. Its exquisitely shaped standards are a burnished golden bronze and the falls a glowing coppery red. A tinge of brown in both the standards and falls makes this an iris of truly different coloring. \$1.00.

★**Sierra Blue.** 48 in. Dykes Medal 1935. Enormous flowers of soft clear, enamel-like blue, reminding one of the blue of the Sierra mountains. It has widely flaring falls, good substance, and a refined finish and graceful form that is really exceptional. 35c; 3 for 90c.

★**The Red Douglas.** 40 in. Sensational new vibrant red-purple of colossal size, gorgeously rich in color, like a piece of fine plush. Grows and blooms well everywhere, and the experts agree that it is one of the finest Irises ever raised. \$1.50; 3 for \$4.00.

★**Valor.** 52 in. Velvety blackish blue-bicolor of huge size and perfect shape on very tall stems. 25c; 3 for 60c.

★**Wabash.** 39 in. Dykes Medal 1940. S. snowy white, delightfully ruffled at the edges; F. wide and flaring, deep hyacinth violet with a definite white edge. Has wonderful substance and orchid-like beauty. Voted by the Iris experts in 1940, 1941 and again in 1942 as the best Iris in commerce. \$1.25.

War Eagle. 40 in. S. light red-purple; F. red-purple with black shadings. Very large blooms, 7 inches in height. In effect, a rich, glowing deep red. Profuse bloomer. 25c; 3 for 60c.

Surprise Iris Collection. Ten beautiful varieties (which include the giant red War Eagle) in a rainbow of colors, our selection from our surplus varieties (value \$2.00) labeled for only \$1.00. (Postage 15c additional).

Ten Iris Aristocrats \$2.00

Catalogue Value \$3.05 (Postage 15c additional)

These are among the fifty finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

★**Blue Triumph.** 42 in. A magnificent iris, considered the finest light blue yet introduced. The flowers are very large and flaring and of heavy substance, with smooth velvety finish. Huge stalks, carrying from 12 to 15 flowers widely set apart. 25c; 3 for 60c.

★**Black Wings.** 38 in. Velvety black buds opening to large flowers of intense midnight blue overlaid with a frosty black luster. A striking variety that is easily grown and deliciously fragrant. 25c; 3 for 60c.

★**Ethelwyn Dubuar.** 38 in. Very fine large flowers of deep pink with delightful ruffling. Decidedly bigger and better than any other in its color class. 25c; 3 for 60c.

★**Gudrun.** 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Very fine. 35c; 3 for 75c.

★**Jean Cayeux.** 38 in. Dykes Medal 1931. A beautiful blending of coffee or Havana brown with a golden glint that is enchanting. The flowers are of perfect shape and are borne over a long season on splendidly branched stalks. No variety quite like this one. 35c; 3 for 75c.

★**Junaluska.** 40 in. One of the most beautiful Iris in existence. S. rosy copper threaded with gold; F. brilliant copper-red. Huge flowers of perfect form and heavy substance. Fine garden variety. 50c.

★**Naranja.** 40 in. One of the most talked of Iris originations. A large flowered yellow with a distinct orangy overcast on the falls. Decidedly and delightfully different. 35c; 3 for 90c.

★**No-we-ta.** 35 in. A beautiful, true pink self in effect with yellow flushes at the center. The whole flower is softly frilled. An exquisite Iris and a fine garden variety. 25c; 3 for 60c.

★**Red Dominion.** 40 in. S. clear lustrous, deep red, slightly frilled. F. broad, horizontal, velvety red; nearly black. One of the most popular Iris grown. 25c; 3 for 60c.

★**Sensation.** 38 in. Enormous corn-flower blue flowers of perfect form and heavy substance. A perfect flower, the standards beautifully arched, the falls flaring and the stems tall and sturdy. 25c; 3 for 60c.

FALL BLOOMING IRISES

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

Price, 25c each; 3 of one kind for 60c.

★**Autumn King.** 30 in. A blue-purple bicolor of fine size.

Autumn Queen. 18 in. Pure white flowers of good size and quality.

★**Eleanor Roosevelt.** 28 in. An outstanding variety of very fine deep velvety purple. Profuse bloomer twice a year.

Southland. 28 in. Clear deep chrome yellow of large size and heavy substance. Lovely planted with Eleanor Roosevelt.

Special Offer No. 105 12 Fall Irises, 3 of each of above 4 varieties (value \$2.40) for \$1.50. (Postage 15c additional.)

SIBERIAN IRISES

Price, except where noted, 25c; 3 of one kind, 40c; 12 of one kind, \$1.25.

Butterfly. 36 in. Lovely porcelain blue flowers; vigorous grower.

★**Emperor.** 48 in. Large flowers of a deep, rich violet-blue. Very fine.

Orientalis. 24 in. Rich purple. Fine for naturalized plantings. 3 for 35c; 12 for \$1.00.

★**Perry's Blue.** 48 in. Large, flowers of a beautiful shade of sky-blue.

DWARF IRISES

Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Irises. Suitable for rock gardens or borders.

Cyanea. Very dwarf, rich crimson purple; fragrant. 20c; 3 for 35c; 12 for \$1.00.

Dixmude. S. aniline blue; F. rich crimson-purple. 20c; 3 for 35c; 12 for \$1.00.

Spring Skies. Lovely light blue, the shade of the Belladonna Larkspur. 20c; 3 for 40c.

IRIS KAEMPFER

The last of the Iris species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

Price, each 50c; 3 for \$1.25.

Azure. Immense mauve-blue with darker halo surrounding yellow center. Double.

★**Gold Bound.** Double. White with gold-banded center. Earliest to bloom.

★**Mahogany.** Large double flowers of velvety-mahogany red. Late.

(Maple Waterfall). ★**Momigi-No-Taki.** Bright rosy crimson feathered in white. Double.

★**Purple and Gold.** An enormous double of rich violet-purple with gold center.

Seacrest. Six large wavy white petals with a deep blue haft.

Special Offer No. 105-A One each of above 6 named Kaempferi Irises (Value \$3.00) for \$1.95. (Postage 15c additional.)

Two Hardy Water Lilies

Prepaid 600 Miles \$2.50
Value \$3.50

One each of Hermine (starlike pure white) and Pink Opal (deepest pure pink). By far the most satisfactory varieties among the hardies.

For all its beauty, no plant is less exacting than the Water Lily. Full sun—warm water—and a bushel of soil per plant (even less for the tub varieties) are all these exotic beauties demand to produce flowers through the entire summer.

Hardy Water Lilies

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

HARDY WATER LILIES

- Attraction.** Gamet red with ruby shading. Finest red. \$2.50.
Chromatella. Pure canary yellow. Very vigorous and full flowering. \$1.35.
Escarboucle. Brightest crimson and scarlet. Very striking. \$2.25.

- Gloriosa.** Deep carmine rose. Free and vigorous. \$2.25.
Gonnere. A pure white snowball with over 80 petals. \$2.25.
Hermine. A star-shaped white of clear, luminous texture. \$1.75.
James Brydon. Rosy crimson, small growth. Good for tubs. \$2.00.
Paul Hariot. Opens soft, clear yellow, deepens to apricot. \$1.75.
Pink Opal. Although new, so vigorous that the price is low. Deepest pink of great beauty. \$1.75.
Sioux. LARGEST of the sunset tints. Opens brassy yellow, deepens to blood red. \$1.95.
Sunrise. Huge yellow borne above water like a tropical \$2.75.



WATER LILY, MRS. W. R. JAMES

We can supply collection of oxygenating plants for small pool (five varieties) for \$1.00 postpaid. For large pool (10 plants) \$2.00.

We can supply many new and rare sorts of which stocks are too small to permit cataloging. Collectors are invited to write for information.

- Mrs. George Pring.** Star-shaped white flowers free-blooming. \$2.50.
Missouri. Huge white flowers that open at night. \$2.75.
Pink Pearl. Freest, brightest pink of lovely form. \$2.50.

Two Tropical Water Lilies \$3.75

Prepaid 600 miles. Catalogue Value \$5.00
One each Blue Beauty and Pink Pearl

Tropical Water Lilies

Although these cannot be set out until after June 1st in the vicinity of Chicago, by August 1st they have produced dozens of huge flowers. Must have warm water with full exposure to sun. All listed are day bloomers.

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers except Missouri.

- August Koch.** Small but lovely lavender flowers. Free flowering. \$2.25.

- Frances Griffith.** Outstanding royal purple. Best of its color. \$2.50.
Mrs. W. R. James. A finer pink than Pershing. Huge flowers. \$2.50.
Blue Beauty. Huge sky-blue. Most vigorous of all. \$2.50.

For prepaid delivery, add 10c each to hardy varieties. Tropicals can only be shipped via express collect.

Peonies

Peonies may be planted in Spring with good results, but they should be put in early. Orders should be sent at once so that we can forward when weather permits. **Edulis Superba.** (7.6) Usually blooms for Decoration Day. The large flowers are a beautiful deep, vivid pink, and are borne profusely on tall, strong stems. Very fragrant. 50c.

- Felix Crousse.** (8.4) Its large, globular flowers, are a brilliant, dazzling ruby-red. Late mid-season. 60c.
Mad. de Verneville. (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early. 50c.

Special Offer No. 106. One each of the above 3 Peonies (value \$1.60) for \$1.25 (Postage and Packing, 15c additional.)

- Gold Mine.** (8.2) (Japanese). Cup-shaped flowers of dark rose-pink with deep golden center. A strong grower; profuse bloomer. 60c; 3 for \$1.00.
Karl Rosefeld. (8.8). Mammoth blooms of rich velvety crimson; early mid-season. 75c.
Martha Bullock. (9.1). Immense cupped shaped flowers of bright old-rose pink; fragrant; late. \$1.00.
Mons. Dupont. (8.3). Large cupped shaped flowers of ivory-white; late mid-season. 60c.
Mons. Jules Elie. (9.2). Very large flowers, shaped like chrysanthemums. Color glistening lilac-pink. Very fragrant and very beautiful. Early. 75c.
Reine Hortense. (8.7). One of the finest of all Peonies. Very large flowers of beautiful light pink. 75c.
Tenuifolia Flore Pleno. A very early species, in bloom two weeks ahead of any other Peony. Flowers are a full-double brilliant crimson and the foliage is finely cut like that of the Cosmos. Should be mulched the first winter after planting. \$2.00.

Special Offer No. 106C. One each of Karl Rosefeld, Martha Bullock, Mons. Jules Elie and Mons. Dupont, (value \$3.10) for \$2.00. (Postage and Packing, 15c additional.)

100 Strawberry Plants, \$1.50

Special Offer No. 106S. A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for \$1.50.

Strong Field Grown Plants, Shipped from Early Spring up to May 15

COOPER. Midseason. The large size and the beautiful brilliant color of the berries immediately attract the attention of every one. This variety is adaptable to a wider range of soils and climate than any other variety.

DORSETT. Early. Will undoubtedly be a leader among early, heavy cropping varieties.

COOPER & DORSETT PRICES

PRICE, on the above varieties, postpaid to 4th zone, 25 for 80c; 100 for \$1.50. By express, at buyer's expense, 250 for \$2.75; 500 for \$4.75; 1,000 for \$9.00.

DR. BURRELL. Midseason. The berries are large, delicious and beautifully formed. It ripens a few days earlier than Dunlap.

SENATOR DUNLAP. Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as the veteran grower.

DUNLAP & BURRELL PRICES

PRICE, on the above varieties, postpaid to 4th zone, 25 for 75c; 100 for \$1.35. By express, at buyer's expense, 250 for \$2.50; 500 for \$4.50; 1,000 for \$8.00.

THREE FINE VARIETIES

CATSKILL. Midseason. Produces large crops of big scarlet berries of fine flavor.

PREMIER. Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.

FAIRFAX. Medium early. Rich in flavor, uniformly large fruit in abundance.

PRICE, 25 for 85c; 100 for \$1.65, postpaid to 4th zone 250 for \$3.25; 500 for \$5.25; 1,000 for \$9.25, by express at buyer's expense.

TWO EVERBEARERS

GEM. A good medium size, heavier producing everbearing berry. Fine quality and firm everbearer. Produces during late summer months large size berries of fine appearance and flavor.

MASTODON (Everbearing). The world's greatest.

PRICE, 25 for \$1.00; 100 for \$3.00, postpaid to 4th zone 250 for \$5.00; 500 for \$9.00; 1,000 for \$17.00, by express at buyer's expense.

Four Choice New Grapes \$1.50

One each of 4 varieties listed. (Postage and packing, 15c additional.)

CACO (Red). This is the most beautiful of the hardy grapes. The bunches are large and compact, of good size and form, color wine-red with abundant bloom. Fruit is sweet and palatable weeks before fully ripe.

FREDONIA (Black). The earliest good black grape, ripening about three weeks before most varieties. Clusters of medium size and compact; the berries large, with firm tender flesh of very good quality.

Price of above 4 varieties, 2 yr. No. 1., 50c each; 3 for \$1.25; 10 for \$3.50.

PORTLAND (White). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

SHERIDAN (Black). Probably the most valuable grape sent out by the New York Experiment Station, as it is expected to replace Concord, which it surpasses in many regions. Large in bunch and berry; keeps and ships well. Good quality.

Vaughan's High Grade Fertilizers

● The ceiling prices given below on this page are those in effect at the time this catalogue goes to press. Should increases in these ceiling prices be authorized by the Office of Price Administration, we reserve the right to increase our ceiling prices in accordance with such authorization. Should changes in formulas be ordered by the government authorities, then where necessary the formulas offered below will be changed in accordance with such regulations.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of \$2.00 or more. On larger quantities than 100 pounds, owing to close quantity prices, the customer pays all freight or express charges.

VAUGHAN'S BALANCED PLANT RATION (5-8-7)

Five percent nitrogen; eight percent phosphoric acid; seven percent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash), which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Ceiling prices, 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.65; 50 lbs., \$2.75; 100 lbs., \$4.50; 500 lbs., \$21.00.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 3½ percent; total phosphoric acid, 22 percent. Ceiling prices, 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.65; 50 lbs., \$2.65; 100 lbs., \$4.50; 500 lbs., \$21.00; 1,000 lbs., \$39.00; 2,000 lbs., \$76.00.

STEAMED BONE MEAL. Ceiling prices, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.10; 500 lbs., \$18.50; 1,000 lbs., \$35.00; 2,000 lbs., \$69.00.

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest liquid manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Ceiling prices, 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.25; 50 lbs., \$1.75; 100 lbs., \$2.35; 500 lbs., \$10.25.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. Ceiling prices, 25 lbs., \$1.25; 50 lbs., \$1.85; 100 lbs., \$2.75; 500 lbs., \$11.25; 1,000 lbs., \$19.00.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Ceiling prices, 7½ lb. bag, \$1.00; 25 lbs., \$2.50; 150 lbs., \$11.50. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. Ceiling prices, 1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$4.75.

Driconure Improved. Fertilizer with a peat-moss base impregnated with a high grade manure. Ceiling prices, per 50 lb. bag, \$2.50; 5 bags for \$11.75; 10 bags for \$22.50.

Electra Fertilizer (4-9-3). A high organic all around plant food for feeding, forcing and finishing. The best substitute for Clay's fertilizer, formerly imported from England. Ceiling prices, 25 lbs., \$4.25; 50 lbs., \$6.50; 100 lbs., \$11.00.

Fertilizer Spreader, Salem. 16 in. An inexpensive spreader, holds about 16 lbs. of fertilizer. Can also be used for sowing grass seed. Ceiling price, each, \$4.00. For Larger Spreaders See Page 110.

Fulton's Plantabb. Odorless plant food in tablet form, supplies a completely balanced plant food including vitamin B-1. Ceiling prices, per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; postpaid.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards.

Ceiling prices, 25 lbs., \$1.25; 50 lbs., \$1.95; 100 lbs., \$3.45; 500 lbs., \$13.50; 1,000 lbs., \$25.00; 2,000 lbs., \$48.00.

Hyponex Plant Food. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains vitamin B1. Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash. Ceiling prices, 3 oz. tin, 25c; 1 lb., \$1.00; 10 lbs., \$8.00; 25 lbs., \$15.00; 50 lbs., \$25.00; 100 lbs., \$40.00.

Kem Liquid Plant Food. For summer use. A complete balanced ration for lawns, plants and trees. A nutrient solution containing all essential elements; nitrogen, phosphate, potash, including calcium baron, sulphur, etc. Merely dilute Kem solution with hydrant water. Directions on container. Ceiling prices, house plant size, 25c; qt. size, 50c; gal. size, \$1.25.

Lime, Hydrated. A neutralizer for soil acidity. Ceiling prices, 10 lbs., 35c; 50 lbs., \$1.25.

Leaf Mold. For correction of clayey and sandy soil conditions. Ceiling prices, per bushel, \$1.25; per bag of two bushels, \$2.25.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Ceiling prices, 100 lbs., \$1.45; 500 lbs., 5.50; 1,000 lbs., \$8.00; 2,000 lbs., \$14.50.

Lime Phosphate, Ruhm's. Nature's source of phosphorus. The most phosphate at lowest unit cost. Ceiling prices, 100 lbs., \$2.45; 500 lbs., \$9.00; 1,000 lbs., \$16.00; 2,000 lbs., \$29.00.

Liqua Vita. A liquid plant food contains all the necessary elements. ½ oz. will make 1 gal. of solution. Ceiling prices, 12 oz., 50c; qt., \$1.00; gal., \$3.50.

Milorganite. Activated sludge fertilizer, free of weed seeds. Feeds over a long period. Ceiling prices, 25 lbs., \$1.00; 50 lbs., \$1.65; 100 lbs., \$2.75; 500 lbs., \$12.00; 1,000 lbs., \$23.00.

Muriate of Potash. Imported Potash, once again available, should be used liberally, especially for all root crops. Ceiling prices, 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$3.85; 500 lbs., \$17.50.

Nitragin. The Original Legume Inoculation.

Culture A. For alfalfa, sweet clover, burr clover and hubam clover. Ceiling prices, ½ bu. size, 30c; 1 bu. size, 50c; 2½ bu. size, \$1.00.

Culture B. For clovers, medium and mammoth red, alsike, crimson and white. Ceiling prices, ½ bu. size, 30c; 1 bu. size, 50c; 2½ bu. size, \$1.00.

Culture C. For all vetches. Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. Ceiling prices, ½ bu. size, 25c; 1 bu. size, 35c; 1½ bu. size, 50c; 12½ bu. size, \$3.50.

Culture D. For Beans. String, snap, wax, navy, kidney and scarlet runner. Ceiling prices, ½ bu. size, 25c; 1 bu. size, 35c; 1½ bu. size, 50c.

Culture E. For peanuts, cow peas, velvet beans and lima beans. Ceiling prices, small bu. size, 30c; 5 bu. size, 55c; 25 bu. size, \$2.50; 30 bu. size, \$3.25.

Culture L. For all Lespedeza, small size inoculates up to 50 lbs. Ceiling prices, 35c; large size up to 100 lbs., price, 50c.

Culture S. For Soy Beans, all varieties. Ceiling prices, small size inoculates up to 120 lbs., seeds, 30c; 5-bushel size, 55c; 25 bushel size, \$2.50; 30 bushel size, \$3.25.

Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Ceiling prices, pkt., 10c; three for 25c; each packet will treat up to 6 lbs. of seed.

Peat, Orchid. Very useful for orchids and azaleas. Ceiling price, \$3.75, per sack, of about two bushels.

VAUGHAN'S PEAT MOSS

IMPORTED HORTICULTURAL GRANULATED

A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Ceiling prices, home garden size bag, about 6 bushels when broken up finely, \$2.60; large bale of about 20 bushels, \$4.75.

Super Phosphate. Twenty percent available. Ceiling prices, 25 lbs., \$1.15; 50 lbs., \$1.75; 100 lbs., \$2.75; 500 lbs., \$9.75; 1,000 lbs., \$18.00; 2,000 lbs., \$33.00.

Stim U Plant Tablets. For potted plants. Ceiling prices, per pkg., 30c, postpaid; large pkg., 100 tablets, 75c, by mail, 85c.

Mackwins Vitamin B-1. The only liquid vitamin B-1 plant growth stimulant with added chemicals to keep its strength indefinitely, 2-oz. dropper top bottle, enough to make 250 gallons of solution. Ceiling price, \$1.00.

NOTE: Cannot supply Scotch Soot and Clay's Fertilizer during present emergency. Electra is a good substitute for Clay's.

Notice About War Time Fertilizers For Amateurs

On the plant food mixtures listed below we are not able to quote definite prices, because as this catalogue goes to press neither the ceiling prices nor the formulas which will be permitted by government regulation have been determined.

We believe that prices finally to be authorized will be about the following on all these mixtures: 25 lbs., \$1.75; 50 lbs., \$2.85; 100 lbs., \$4.75; 500 lbs., \$23.00.

As soon as formulas and prices have been determined a circular will be prepared and mailed to those who request it.

If you wish to place orders prior to the receipt of this circular, we suggest that you forward money sufficient to cover the purchase at the prices suggested above. In case ceiling prices, when finally determined, are above or below these suggested prices, then we will make the necessary refund, or ask for further payment, as the case may be.

Vaughan's Lawn and Garden Plant Food. This mixture will be dropped for the duration, in favor of Vaughan's Victory Garden Mixture.

Vaughan's Victory Garden Mixture To be prepared on a new formula authorized by the government authorities, probably containing some chemical nitrogen and limited to sale for use on gardens where vegetables are grown.

Vigoro A. We expect this well known plant food to be prepared from a new formula and permitted to be sold for any garden use.

Loma. This excellent mixture we expect to be made according to a new formula and permitted to be sold for any garden use.



Newest Improved Sprays and Dusts

Add Postage According to Weight and Zone (Page 8).

Shipping weights, pint, 2 lbs.; qt., 3 lbs.; gal., 10 lbs.

ACME RED RIVER POTATO MIX (Special Formula for Potatoes). A new patented copper fungicide with quick killing arsenic. Drives off Flea Beetle and Leafhopper and prevents Blight from gaining a foothold. Stimulates foliage, making more and better potatoes. Complete control in one operation. Can be used as a dust or spray. Ceiling prices, 1 lb. bag, 35c; 4 lb. bag, 85c.

ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snapdragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. Ceiling prices, 2 lb. Shaker top package, 35c; 4 lb. bag, 60c.

ACME COPPER QUEEN. A strong liquid copper spray for control of mildew, leaf spot, and black spot on roses, flowers, and plants. Ceiling prices, 8-oz. can, 35c; pt., 60c; qt., 95c; gal., \$2.25.

ACME COPPER SHIELD PRUNING PAINT. Prepared liquid paint containing copper, for treating wounds to prevent hard rot fungus and other fungi. Ceiling prices, pt., 45c; qt., 75c; gal., \$2.35.

ACME DAWG-GONE. Keep dogs away from Evergreen. Remove cap and hang tube of Dawg-Gone (opening down) in the lower branches of trees at the points of approach. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year, winter or summer. Ceiling price, tubes, 25c each or 6 for \$1.25.

ACME GARDEN GUARD. A strong, safe rotenone dust in 1-lb. shaker top cans. Ceiling price, each, 40c; postpaid, 50c.

ACME SCIENTIFIC ROSE SPRAY. Consists of three elements A, B, C, for complete protection from sucking and chewing insects, black spot and other fungus diseases. The number indicates number of gallons of spray each set will make. Ceiling prices, No. 3 set, 95c; No. 6 set, \$1.50; No. 24 set, \$4.00; No. 48 set, \$6.00; No. 96 set, \$9.75.

ACME STOP. A tree-banding compound which prevents insects from crawling up trees. Ceiling prices, 6-oz. can, 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.00.

ANTROL. Sets containing 4 jars and 4-oz. bottle of syrup. Ceiling price, 60c; extra jars each, 10c. 4-oz. bottle syrup, 25c. Pint bottle of syrup, 50c; gal., \$2.75.

ANTROL ANT POWDER. Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. Ceiling price, 4 1/2-oz. can, 25c.

ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Ceiling price, each, 10c; 6 for 50c.

ANTROL READY FILLED SETS. Consisting of four patented glass "feeders" filled with regular antrol syrup. Ceiling price, per set, 40c.

APEX ANT KILLER. Thallium sulphate kills ants in their nests. Ceiling price, each, 25c; 5 for \$1.00.

APHIS SPRAY. Improved Nicotine Spray. Combining a soft fish-oil soap with black leaf 40. Ceiling prices, per 3-oz. tube, 35c; 12-oz. tube, \$1.00.

APHINE. Ceiling prices, pt., 75c; 1 qt., \$1.10; 1 gal., \$3.00.

ARSENATE OF LEAD (Dry). For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. Ceiling prices, 1 lb. carton, 35c; 4 lbs., 95c; case of 24 lbs., \$4.85; 100 lbs., \$16.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Ceiling prices 1 lb., 60c; 10 lbs., \$4.75; 100 lbs., \$35.00.

BLACK LEAF 40 is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully. Ceiling prices, 1-oz. bottle, 36c; 5-oz. can, \$1.05; makes 40 to 100 gallons; 1-lb. bottle, \$2.50, makes 40 to 200 gallons; 2-lb. can, \$3.70, makes 200 to 500 gallons; 5-lb. can, \$6.90, makes 400 to 1000 gallons; 10-lb. can, \$11.65, makes 840 to 2100 gallons.

BORDEAUX MIXTURE (Dry). The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Ceiling prices, lb., 35c; 4 lbs., 95c; case of 24 lbs., \$4.85.

BUG GUN. A practical self-dusting package, consisting of Rotenone, all ready to use. Complete with dust. Ceiling price, each, 35c, postpaid, 50c.

CALCIUM ARSENATE (Dry). Ceiling prices, lb., 35c; 4 lbs., 85c.

CARBON DISULPHIDE. For ants and cut worms. (By express only.) Ceiling prices, 1 lb., 60c; 1/4 lb., 30c.

CORROSIVE SUBLIMATE. U.S.P. powder. Write for price.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. For aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. Ceiling prices, 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. (By express only.) Write for leaflet.

CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) Ceiling prices, 4-oz. tin, 30c; 1/2 lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00.

DENDROL. A dormant spray oil. Ceiling price, gal., \$1.25; 5-gal. drum, \$5.00; 15-gal. drum, \$9.00.

DERRISOL. Is an odorless, non-poisonous liquid which will control sucking insects like aphids, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Ceiling prices, 2-lb. can \$3.25; 10 lbs., \$13.50.

DOG-SHOOT. Keeps dogs and cats away from evergreens, shrubs, posts, walls or any place where they are not wanted. Leaves an odor scarcely noticeable by humans but very offensive to animals. Ceiling prices, qt., 85c; gal., \$1.95.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Ceiling price, per bottle, 60c; by mail, 70c.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Ceiling prices, lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.50.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Ceiling prices, lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50.

FLOWERS OF SULPHUR. For dusting. Ceiling prices, lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

FORMACIDE FORMALDEHYDE DUST. Control "damping off" of flower and vegetable seedlings. Ceiling prices, 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases; for greenhouse and outdoor use. Ceiling prices, pt., 65c; qt., \$1.10; gal., \$3.00.

FUNGTROGEN. A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. Ceiling prices, 1/2 pt., 75c; pt., \$1.25; qt., \$2.00; gal., \$6.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. Ceiling prices, lb., 35c; 5 lbs., \$1.25; 25 lbs., \$6.25.

LEMON OIL. Destroys mealy bug, scale, red spider. Ceiling prices, 1/2 pt., 35c; pt., 60c; qt., \$1.00; 1/2 gal., \$1.75; gal., \$3.00; 5 gals., \$12.00.

LIME SULPHUR. (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Ceiling prices, per qt. can, 50c; 1 gal., \$1.35; 5-gal. can, \$4.50. Write for prices in barrel lots.

MAGNETIC SPRAY Wettable Sulphur. Can be used as a combination spray with other insecticides. Ceiling prices, 4-lb. bag, 60c; 24 lbs., \$2.75.

NAPHTHALENE FLAKES. Ceiling prices, 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.25; 100 lbs., \$22.00.

NEW EVERGREEN SPRAY. Non-poisonous insecticide. No spreader required; retains its strength. Ceiling prices, oz. bottle, 35c; 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.40; gal., \$12.20.

NICO-FUME POWDER FUMIGATOR. Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. Ceiling prices, 5-lb. tin, \$4.25; 10-lb. tin, \$7.35.

NICO-FUME POWDER PRESSURE FUMIGATOR. Is now burned under pressure in the can in which it is packed. Ceiling prices, 1/2-lb. can, 60c; doz., \$6.00; 1-lb. can, \$1.00; doz., \$9.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine. Ceiling prices, 1 lb., \$2.50; 4 lbs., \$7.10; 8 lbs., \$13.00.

NICOTINE PYROX. For chewing and sucking insects. Ceiling prices, 20 oz. jar, 60c; 5 lbs., \$2.00.

NIKOTEN. 30% grade. For spraying and fumigating. Ceiling prices, oz. bottle, 35c; 1/2 pt., \$1.25; pt., \$2.25; 3 pts., \$6.00; original case, 10 pts., \$18.50. 40% grade, 4 lbs., \$7.10; 8 lbs., \$13.00.

PARIS GREEN. A poisonous insecticide in powder form; for insects which chew. Ceiling prices, 1/4 lb., 20c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.

PENETROL. An activator for nicotine spraying solutions. Ceiling prices, qt., 85c; gal., \$2.00; 5 gals., \$7.50.

PINE TAR. For tree surgery. Stops bleeding of the sap. Ceiling prices, pint, 40c; qt., 75c; gal., \$1.75.

POMO GREEN. Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Ceiling prices, lb., 50c; 5 lbs., \$1.75; 25 lbs., \$8.00.

POMO GREEN. With nicotine. Ceiling prices, lb., 75c; 5 lbs., \$3.00.

PYRETHRUM POWDER. Ceiling prices, lb., 85c; 5 lbs., \$3.75; 10 lbs., \$6.75.

PYROTE. A combination spray consisting of Rotenone and Pyrethrum. Ceiling prices, oz., 35c; 5 oz., \$1.00; pt., \$2.50; gal., \$15.00.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Ceiling prices, 25 lbs., \$5.75; 50 lbs., \$8.35.

RED ARROW Garden Spray. Non-poisonous kills by contact, both chewing and sucking insects will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Ceiling prices, oz., 35c; 4 oz., \$1; pt., \$2.85; qt., \$5.40; gal., \$15.00.

ROTECIDE. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphids, etc. Ceiling prices, 35c; 1/2 pt., \$1.00; pt., \$1.75; qt., \$3.00; gal., \$8.00.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Ceiling prices, qt., 75c; gal., \$1.75; 5 gals., \$6.35; 10 gals., \$10.90. Write for price in barrel lots.

SELOCIDE. Kills red spiders. Ceiling prices, gal., \$4.00; 5 gals., \$16.75.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Ceiling prices, 1/4 oz., 10c; 2 oz., 40c; 1 lb., \$2.50; 5 lbs., \$11.40; 25 lbs., \$52.50; 100 lbs., \$198.00. Write for leaflets, stating for what purpose desired.

Semesan Jr. For Sweet Corn. Ceiling prices, 1 1/2 oz. package, 15c; 12 oz., 56c; 1 lb., 75c; 25 lb. pail, \$12.50; 100 lbs., \$45.00.

Semesan Bel. For Potatoes. Ceiling prices, 2 oz. tin, 30c; 1 lb., 65c; 5 lbs., \$7.15; 25 lbs., \$33.25; 100 lbs., \$125.00.

New Improved Ceresan. Ceiling prices, 4 oz. tin, 30c; 1 lb., 80c; 4 lbs., \$2.70; 25 lbs., \$15.00; 100 lbs., \$55.00.

2% Ceresan. Ceiling prices, 1 lb., 75c; 5 lbs., \$3.30; 25 lbs., \$14.50; 100 lbs., \$52.00.

Write for leaflets on Semesan, Semesan Jr., Semesan Bel. and Ceresans.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. Ceiling prices, 1 lb., 30c; 5-lb. tin, \$1.20; 25-lb. bag, \$5.50; per keg, 125 lbs., \$21.25; barrel, 250 lbs., in bulk, \$36.00.

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Ceiling prices, 1 lb., 25c; 10 lbs., \$1.50; 50 lbs., \$6.50.

STANLEY'S CROW REPELLENT. Protects seed corn from damage by crows, moles, squirrels, etc. Ceiling prices, 1/2 pt., 60c; pint, \$1.00; qt., \$1.75.

SULFOCIDE. A concentrated sulphur fungicide for fruits, vegetables and flowers. Ceiling prices, qt., \$1.00; gal., \$2.50.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. Ceiling prices, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.95.

TARTAR EMETIC. The new recommended spray for control of gladiolus thrip. Ceiling prices, 1/4 lb., 35c; 1/2 lb., 60c; 1 lb., \$1.00.

THIOSAN. Control for Brown Patch, Dollar Spot, etc. in bent lawns. Ceiling prices, 5 lbs., \$6.90; 25 lbs., \$32.55; 100 lbs., \$125.00.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Ceiling prices, pt., 90c; qt., \$1.50; gal., \$5.50.

TOBACCO DUST (Regular Grade). Ceiling prices, 5 lbs., 50c; 10 lbs., 85c; 100 lbs., \$4.50.

TOBACCO STEMS. Ceiling prices, 100 lbs., \$2.75; 500 lbs., \$10.50; 1,000 lbs., \$20.00.

TREE TANGLEFOOT. Perfect safeguard for trees. Ceiling prices, 6 oz., 45c; lb., 80c; 5 lbs., \$3.75; 10 lbs., \$7.00; 25 lbs., \$15.00.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. Ceiling prices, A, small kit, makes 16 qts., \$1.50; B, medium kit, makes 64 qts., \$4.00; C, large kit, makes 32 gals., \$6.00; D, estate kit, makes 128 gals., \$20.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. Ceiling prices, 1/2 pt., 45c; pt., 75c; qt., \$1.10; gal., \$3.00.

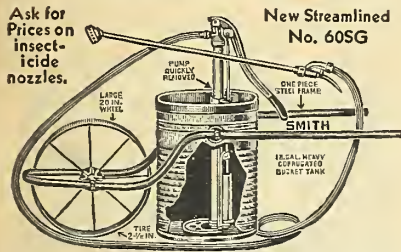
VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. Ceiling prices, 1/2 pt., 35c; qt., 75c; gal., \$2.25; 5 gals., \$11.00. Price of 5 gal. size includes \$2.00 charge for container. Container is returnable for credit if in good condition and returned prepaid to us.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc. Ceiling price, 1/2 pt., 40c; qt. \$1.00; gal., \$3.00; 5 gals., \$12.00.

YELLOW CUPROCID. For treating seed. Will also control mildew and blight diseases. Ceiling price, 3 lb. package, \$2.10; 3 pkgs. for \$6.00.

Sprayers and Dusters for Insecticides

WHEELBARROW SPRAYER



Ask for Prices on insecticide nozzles.

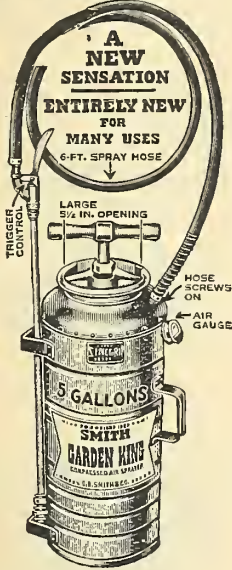
New Streamlined No. 60SG

Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or white-wash. With extra long handle and large air chamber, develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle, etc. \$27.50. Shipping weight, 80 lbs.

No. 60 S.P.G. Same as above, but with pressure tank and gauge and iron wheel. Price, \$41.50.

THE GARDEN KING SPRAYER

Entirely new, 5 gal. capacity, with 6 ft. of spray hose and 2 ft. of tension rod, making a total of 8 ft. which permits the user to carry the tank about from one spraying job to another and to set it down on the ground and go about his spraying job without carrying the weight of the sprayer and spray material. Ea., Galvanized, \$12.50.



Garden Hose Sprayer
WITH CRYSTAL CLEAR CARTRIDGE CHAMBER
AND
INSECTICIDE CARTRIDGES

A special mixing and spraying nozzle which attaches to your garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Standard, each, \$4.00. Combination set, sprayer and six cartridges, your selection, chrome finish, each, \$5.75.

36 inch extension, straight or angle, chrome finish, \$1.75.

We can supply a complete line of cartridges. Rotenone, Nicotine, Pyrethrum, Sulphur, Bordo or Arsenate of Lead. Price, each, 35c; doz., \$4.00.

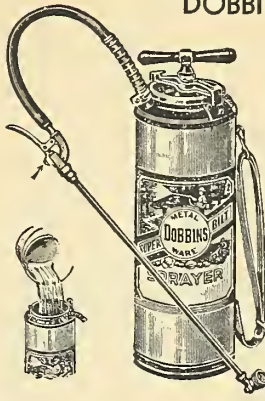
Blizzard Copper Continuous Sprayer



Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, \$2.95.

Write for Price on Power Sprayers.

DOBBIN'S BIGHEAD SPRAYER



5 1/4" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.

No. 44G Galvanized tank. Each \$8.00.
No. 44B Copper tank. Each 15.00.



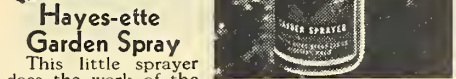
HAND SPRAYER 60c
Full qt. size, Pint Size, ea., 35c.

SMITH'S LIGHTNING SPRAYER



A durable, low priced sprayer, has a funnel top, made of heavy steel or solid brass tank as illustrated. 3 1/2 gallon capacity.

Price, galvanized, \$6.00; brass, \$12.00.



Hayes-ette Garden Spray
This little sprayer does the work of the larger type sprayer. Weight a little over a pound filled. Simply attach to your garden hose. Operates on 20 to 150 lb. water pressure. Capacity 1 1/2 gal. of mixed spray material. Can also be used for spraying shrubs and vines. \$2.95.



Hayes Jr. Spray Gun

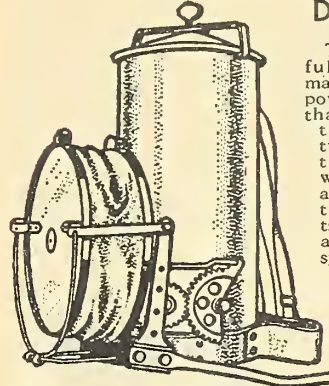
All Purpose Sprayer. Makes 3 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, \$5.95.

Hayes Sr. Spray Gun

For large gardens and orchards. 75 gallon capacity. Requires no heavy tank to drag around. Sprays liquid, powder, soluble fertilizer, fungicide and germicides. All purpose sprayer. Will spray 50 ft. in any direction. Operates on 40 to 175 lb. water pressure. No heavy, cumbersome equipment to push around your garden. Each, \$10.85.

Dusters and Blowers

The American Beauty Dust Sprayer



The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$25.00.

BLUE BEAUTY DUSTER

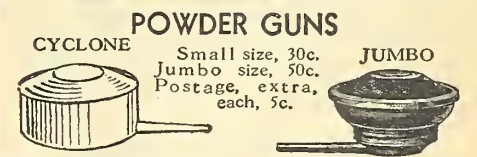
A fitting companion for the American Beauty Duster—each, \$22.50.

CALIFORNIA LITTLE BEAUTY DUSTER

For those growers operating two to three acres of vegetables, grapes or berries—price, each, \$10.00.

FEENEY MODEL B DUSTER

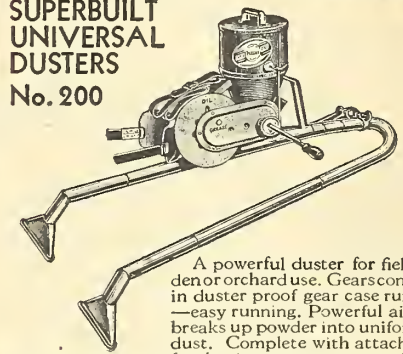
Splendid Hand Duster. Each, \$1.00. Postpaid, \$1.10.



POWDER GUNS

CYCLONE Small size, 30c.
Jumbo size, 50c.
Postage, extra, each, 5c.

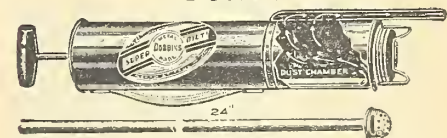
SUPERBUILT UNIVERSAL DUSTERS No. 200



A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting one or two rows, including return bends which are adjustable for forward or rear dusting.

No. 200, capacity 5 to 10 pounds with return bends for dusting in rear of operator. Each \$15.00
No. 100, capacity 3 to 6 pounds, complete with attachments for forward dusting but no return bends furnished. Each \$12.50

DOBBIN'S IMPROVED HAND DUSTER



Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap.

No. 132 Duster. Each \$1.50

Hormones and Test Kits

ROOTONE

A hormone powder easy to use, anyone can apply safely, no skill is needed to apply Rootone, no measurements, no vials, no elaborate charts to follow, just dip and plant. Price, 1/4 oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00.

Rootone No. 10 for rooting of Azaleas, and other woody cuttings 1/4 oz. pkg. 25c; 2 oz. jar, \$2.00.

1 lb. can, \$10.00. Write for leaflet; all postpaid.

HORMODIN ROOT FORMING CHEMICAL

Hormodin is a hormone-like plant growth substance. Its principal use is to stimulate rapid root growth on cuttings. Makes it possible for growers to reproduce plants from cuttings with high percentages of successful results. Small size package, 50c. Medium size, \$1.00; 240 unit size, \$2.50; 480 unit size, \$4.50; 960 unit size, \$8.00.



HORMODIN POWDERS

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses, and similar types. Many house, garden, and greenhouse plants are included in the complete list. Price, 1 1/2 oz. pkg., each, 50c; 1 lb., \$3.00.

POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. Price, 1 1/2 oz., 75c; 1 lb., \$4.50.

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; 1/2 lb., \$4.50.

The three Hormodin Powders are designed to cover the full propagating range with a one-dip treatment. Complete directions for each powder are included with the package.

Combination package of No. 1-2-3 in one carton, each, 75c.

MACKWIN. LIQUID VITAMIN B1

One-half oz. bottle makes 120 gallons solution. Each 35c, postpaid, 40c; 2 oz. bottle, \$1.00. Vitamin B1 Crystals, hundred milligram bottle makes 2000 gallons each, \$1.00.

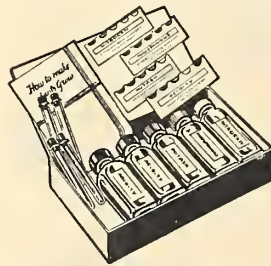
FRUITONE

Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprays on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2 1/2 oz. pkg., 25c; 2 oz. can, \$1.00, makes 25 gals. of spray; 12 oz. can, \$5.00, makes 150 gals. of spray.

TRANSPLANTONE

The most effective form of vitamin B1, contains plant hormone, vitamins B and C and other growth substances. One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers. 1/2 oz., pkt., 25c; 3 ounce can, \$1.00; 1 lb. can, \$4.00.

THE SUDBURY HOME GARDENER'S SOIL TEST KIT



This simple, practical, easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenkeepers throughout the country. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's Soil Test Kit, complete with instructions and data on plant needs, \$2.00.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. 2 oz., 75c; 6 oz. \$1.50.

NEW CLUB MODEL KIT

(Suitable for Xmas Gift)

An inexpensive kit for garden clubs, 4-H clubs, etc. A very good value for amateurs. Cased in attractive imitation leather, makes a wonderful gift. Each, \$4.75.

FLORALIFE

Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each 10c, three pkts. for 25c. Home size tin makes 30 qts., each \$1.00; 100 qt. size, each, \$3.00; gift pkg., \$1.00.



BOXES

BOXES—Cut Flower.—Vaughan's "Green" Grade, green lined, moisture-proof board. Very popular. Packed 25 complete boxes per bundle.

| Size, inches | Weight per 100 | Per 100 | Size, inches | Weight per 100 | Per 100 |
|--------------|----------------|---------|--------------|----------------|---------|
| 3 x 21x5 | 45 lb. | \$9.75 | 3 1/2 x 30x5 | 75 lb. | \$13.00 |
| 3 1/2 x 24x5 | 60 lb. | 11.75 | 4 x 24x8 | 85 lb. | 15.50 |
| 5 x 42x8 | 170 lb. | 26.50 | 5 x 28x8 | 105 lb. | 18.00 |
| 5 x 30x8 | 135 lb. | 25.00 | | | |

Saxolin Duplex Crinkled Waterproof Tree Wrap



For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inch wide, about 155 ft. to a roll. Weight, about 2 1/2 lbs. Ea., 75c; doz., \$7.20.

AUTOMATIC BIRD FEEDERS

(Patented)

An economical feeder for all kinds of seeds, cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year around.

Birds enjoy swinging with the feeder. Each, \$2.00.



WREN HOUSE No. 16

This time tested stepkitt house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$1.50; white and green, each, \$1.80.

Blue Bird House No. 5 similar to the above stained brown, \$1.25.



MARTIN HOUSE No. X315

Twenty compartment house, two stories high, unpainted, \$15.00. Painted two coats in white and green, \$18.00.

Twenty-eight compartment house, three stories high, unpainted, \$18.00. Painted two coats white and green, \$21.00. Crating charge \$1.00 extra.



ROBIN ROOST No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each \$1.50; 3 for \$4.25.



Chaperone Powder Dog Repellent

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1/2 oz., tin, 25c; large size, \$1.00.

Chaperone Liquid Dog Repellent

For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz., bottle 50c; 12 oz., can, \$1.00.

PUSSY SCAT

Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. Trial size can, 25c; large size can, \$1.00. Postpaid, \$1.10.



Flower Pots and Tubs

POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.



| Doz. | 100 | 1000 | Doz. | 100 | Each |
|-----------|--------|---------|--------|--------|--------|
| 2 in. | \$0.40 | \$11.50 | 6 in. | \$1.40 | \$8.50 |
| 2 1/2 in. | .45 | 1.85 | 7 in. | 1.85 | 13.00 |
| 3 in. | .55 | 2.75 | 8 in. | 2.50 | 18.00 |
| 4 in. | .75 | 3.30 | 10 in. | ... | \$0.65 |
| 5 in. | .95 | 6.10 | 12 in. | ... | .95 |

GREEN NEPONSET PAPER POT. Especially adapted for growing.

| Doz. | 100 | 1000 |
|-----------|--------|--------|
| 2 1/2 in. | \$0.35 | \$1.30 |
| 3 in. | .40 | 1.60 |
| 4 in. | .50 | 2.10 |
| 5 in. | .75 | 2.65 |

POTS (Azalea, Cyclamen or Fern). 1/2 size in height of standard flower pot.

| Each | Doz. | Each | Doz. |
|-------|--------|--------|--------|
| 6 in. | \$0.20 | 9 in. | \$0.35 |
| 7 in. | .25 | 10 in. | .65 |
| 8 in. | .30 | 12 in. | .95 |

BULB POTS. 1/2 size in height of standard flower pot.

| Each | Doz. | Each | Doz. |
|-------|--------|--------|--------|
| 6 in. | \$0.20 | 8 in. | \$0.30 |
| 7 in. | .25 | 10 in. | .65 |

SAUCERS—Clay

| Doz. | 100 | Doz. | 100 |
|-------|--------|--------|--------|
| 5 in. | \$0.65 | 9 in. | \$2.20 |
| 6 in. | .95 | 10 in. | 3.20 |
| 7 in. | 1.20 | 12 in. | 4.65 |
| 8 in. | 1.60 | 10 in. | 10.50 |

SAUCERS—Green Rubber

Size A, 5-inch, takes up to 6-inch pot... Doz., \$2.50
Size B, 6 1/2-inch, takes up to 8-inch pot... Doz., \$4.20
Size C, 9 1/2-inch, takes up to 12-inch pot... Doz., \$7.80



NEPONSET PAPER POTS (RED).

Made of water-proof paper, light, clean and unbreakable.

| Doz. | 100 | 1000 |
|-----------|--------|--------|
| 2 in. | \$0.18 | \$0.75 |
| 2 1/2 in. | .20 | .85 |
| 3 in. | .23 | 1.00 |
| 3 1/2 in. | .28 | 1.25 |
| 4 in. | .35 | 1.45 |
| 4 1/2 in. | .40 | 1.65 |
| 5 in. | .45 | 2.35 |
| 6 in. | .50 | 2.60 |

TUBS (Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York. If handles are required, add 45c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure, depth in inches.



| No. | Each | Four | No. | Each | Four |
|-----------|--------|--------|------------|--------|--------|
| 1.. 6x 6 | \$0.85 | \$3.20 | 9.. 14x13 | \$2.35 | \$9.20 |
| 3.. 8x 8 | .95 | 3.60 | 11.. 16x15 | 2.75 | 10.60 |
| 5.. 10x 9 | 1.20 | 4.60 | 13.. 18x17 | 3.65 | 14.20 |
| 7.. 12x11 | 1.75 | 6.80 | 14.. 19x18 | 4.50 | 17.60 |

To Protect Plants and Seedlings



HOTKAPS

These plant protectors mean larger, earlier, premium crops.

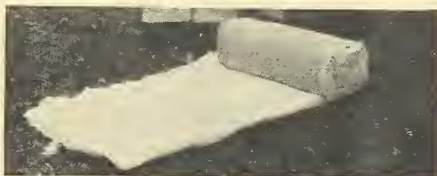
Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, \$11.00; 5,000 lots, \$10.75 per M; 10,000 lots, \$10.50 per M; 250 Trial Package including Fibreboard Setter with Tamper, \$3.50; 100 Home Package, including Fibreboard Setter with Tamper, \$1.95; Germaco Hotkap Steel Setter with Tamper, \$1.60; postage extra. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Fibreboard Hotkap Setter, 3 lbs.; Fibreboard Setter alone, 25c.



inches at the base, creating 152½ square inches of protected ground, they are 8½ inches high. Hotkaps are strong, being supported with two patented covered wire bows fastened to the under side and running parallel across the body. Packed 500 to a carton, and weigh 35 lbs. per carton. Price, per carton, \$7.65; per 100, \$2.10; setter, each, \$1.95.



Glass Wool Mulch. Protection and perfect mulch for your prized Plants and Shrubs; has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bats; 24" x 96" in size and approximately 1½ inches thick at 1½ lbs. per cubic foot density. Price, per bat, 95c; three for \$2.65; carton of 12, \$8.95.

HOTENTS

Protect and force all varieties of plants where a large plant protector is needed. Made of a scientifically manufactured paper which is extra strong. 10½ x 14½

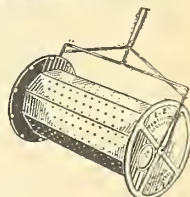
SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$3.25.

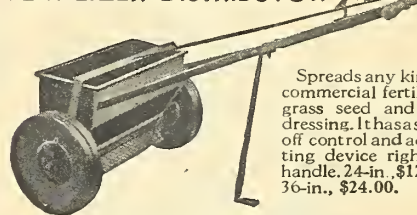


E. Z. FERTILIZER SPREADER

Fertilize your lawn, sow your seed the new E. Z. way. Simply fill container, guide like a vacuum cleaner and your lawn is covered quickly. Comes knocked down. Each, \$1.25.



HEAVY DUTY FERTILIZER DISTRIBUTOR

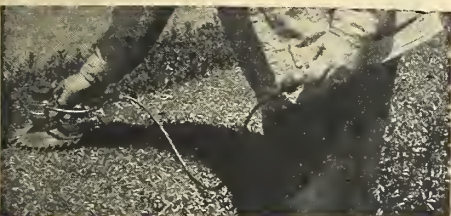


Spreads any kind of commercial fertilizer, grass seed and top dressing. It has a shut-off control and adjusting device right on handle. 24-in. \$17.50; 36-in., \$24.00.

O. K. ELECTRIC GRASS CUTTER

Trimmer and Edger

For formal gardens, terraces and small steep lawns. Completely finishes, no other implements needed. Will also trim hedge, cuts any way moved or held. Weight 5 lbs. A real implement; has a 9-inch revolving blade. Price, \$27.50.



FILM GLOVE

The new amazing locion, greaseless, non-alcoholic, to protect your hands in the garden; for housework, factory, garage, etc. Apply liberally on hands and nails, allow to dry for an invisible stain; washes off with soap and water. Price, 3 oz. bottle, 40c; 8 oz., 80c; 16 oz., \$1.40.



Kreme Skin Gloves

Made from soft and select hides. Semi-styled in design and used for both work and play—Gardening, Household, Driving, etc. Give full protection with utmost comfort and finger freedom. Also soften the hands. Washable. Ladies' sizes only (small, medium, large). Price, \$1.00 per pair; postpaid, \$1.10.

O. K. ELECTRIC HEDGE TRIMMER

No gears, no bottom to choke up, does not disturb cut after made. It is a quality, practical trimmer. Home use, \$10.00; Heavy duty hedge trimmer has oilless bearings and more power than the Home Jr. Price, \$22.00.

MOSS

MOSS. Sphagnum. Burlapped bales. Ea., \$2.50.

SHEET MOSS (Green). Freshly gathered; for windows, boxes, etc. Per sack, \$2.50.



BIRD BATH No. 12

Diameter 18 inches.
Height 24 inches.

BIRD BATH

Available in Nutone, a soft mat white finish, each, \$2.50; Bisque, natural stoneware buff, each, \$2.25. Weight, 29 lbs.

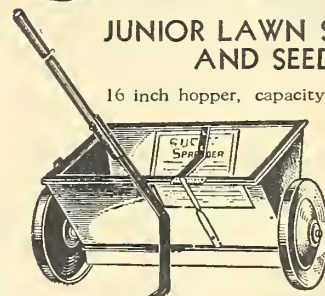
U-MIX-IT



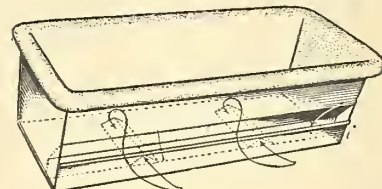
Pulverized Asphalt—A new, low-cost, water-proof compound. Has a multitude of uses. No waste; you mix it as you need it. Can be used for tree surgery, roofing, cellar windows and walls, cracks in concrete in fish pools; a handy material for sealing cracks in tanks, dams, silos, etc. You can make your own water-proof plastic putty with U-Mix-It. One gallon costs about 25c and will putty 300 lineal feet of glass ½" x ¼". Packaged in 1-lb. boxes at 25c; 5 lbs. for 75c; 15 lbs. for \$1.50; and 100 lbs. for \$8.00.

JUNIOR LAWN SPREADER AND SEEDER

16 inch hopper, capacity 16 lbs. Each, \$4.00.



HomeLawn, 18 in., capacity 30 lbs.; ea. \$7.75; 30 in. large model for estates, hopper capacity 80 lbs.; fertilizer, \$14.95.



PERFECTION SELF WATERING

Window boxes, made of metal painted in attractive green finish.

| | |
|----------------|--------|
| 26 inches..... | \$2.50 |
| 30 inches..... | 2.95 |
| 36 inches..... | 3.75 |
| 44 inches..... | 4.50 |

"SAVO" Self-Watering Flower Boxes

Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum or green.

| | Height | Width | Length | Price |
|----------|----------|-----------|-----------|--------|
| Model A. | 8 inches | 8 inches | 23 inches | \$3.85 |
| Model B. | 8 inches | 9½ inches | 29 inches | 4.40 |



GLAZING MATERIALS

GARLANITE. The original white glazing compound, remains soft and pliable, easy to apply and remove. Gal., \$2.85; safety model, glazing gun, \$4.95.

PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastic. Per gallon, \$2.95.

PUTTY BULB Scollay's. Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, ½ lb.) Each, \$1.95.

PUTTY KNIFE. Each, 35c.

Plant Stakes, Supports and Labels



Adjusto Plant Support

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake $\frac{1}{2}$ inch square will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., \$3.00; 4 ft., doz., \$3.50; 5 ft., doz., \$3.85; extra wire hoops, doz., \$1.65.

TIME SAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized. Java end is green. Can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

Per doz. Per 100

| | | |
|--------------|--------|--------|
| 30-inch..... | \$1.20 | \$8.00 |
| 36-inch..... | 1.50 | 10.50 |
| 48-inch..... | 2.60 | 19.75 |
| 60-inch..... | 3.25 | 24.50 |



"TWIST-EMS" PERFECT PLANT TIES

For plants, shrubs, vines, vegetables and for arranging flowers. Just a simple twist of the wrist and the plant is tied. Price: per box of 125 16-in. ties,

50c; per box of 125 8-in. ties, 25c; per box of 250 4-inch ties, 25c.

STAKES—HEAVY TONKIN Natural Color

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

| Length | Diameter | Doz. | 100 | Doz. | 100 |
|----------|-------------------------------------|--------|--------|--------|--------|
| 4 ft.... | $\frac{1}{2}$ to $\frac{3}{4}$ inch | \$1.40 | \$7.50 | \$1.50 | \$8.50 |
| 4 ft.... | $\frac{3}{4}$ inch | 1.65 | 9.25 | 1.85 | 9.50 |
| 5 ft.... | $\frac{3}{4}$ to $\frac{1}{2}$ inch | 2.00 | 10.25 | 2.25 | 11.00 |
| 6 ft.... | $\frac{3}{4}$ to $\frac{1}{2}$ inch | 2.25 | 12.00 | 2.45 | 12.50 |
| 8 ft.... | $\frac{3}{4}$ to $\frac{1}{2}$ inch | 2.50 | 13.50 | 2.75 | 14.50 |

STAKES, WOODEN. Painted green.

| Heavy Grade (for Dahlias) | | Per doz. | Per 100 |
|---------------------------|--|----------|---------|
| 3 ft..... | | \$1.60 | \$10.50 |
| 4 ft..... | | 1.95 | 13.50 |
| 5 ft..... | | 2.50 | 16.50 |
| 6 ft..... | | 2.95 | 20.50 |

Light Grade (for smaller plants)

| | Per doz. | 100 | | Per doz. | 100 |
|------------|----------|--------|-----------|----------|---------|
| 1 ½ ft.... | \$0.40 | \$2.20 | 3 ½ ft... | \$1.25 | \$ 8.75 |
| 2 ft.... | .60 | 3.65 | 4 ft... | 1.60 | 10.50 |
| 2 ½ ft.... | .95 | 4.95 | 5 ft... | 2.25 | 13.95 |
| 3 ft.... | 1.10 | 6.95 | | | |

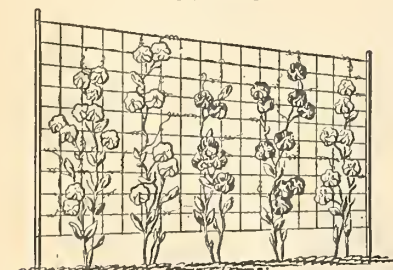
STAKES—BAMBOO Painted Green.

| Length | 100 | 1000 | Length | 100 | 1000 |
|-------------------------------|--------|--------|------------------------|--------|---------|
| 1 $\frac{1}{2}$ ft.... | \$1.25 | \$5.00 | 3 ft.... | \$1.75 | \$ 9.50 |
| 2 ft.... | 1.40 | 7.00 | 3 $\frac{1}{2}$ ft.... | 2.00 | 11.00 |
| 2 $\frac{1}{2}$ ft.... | 1.60 | 8.00 | 4 ft.... | 2.25 | 12.50 |
| Bamboo not painted, 6 ft..... | 2.95 | 26.50 | | | |

STAKES—Galvanized Wire.

| No. 9 Wire Doz. | 100 | No. 8 Wire Doz. | 100 |
|-----------------|---------------|-----------------|---------------|
| 1 ½ ft.... | \$0.40 \$1.40 | 3 ½ ft.... | \$0.75 \$2.85 |
| 2 ft.... | .45 1.75 | 4 ft.... | .85 3.25 |
| 2 ½ ft.... | .50 2.25 | 5 ft.... | 1.10 4.10 |
| 3 ft.... | .60 2.60 | 6 ft.... | 1.25 4.75 |

TRAIN-ETTS



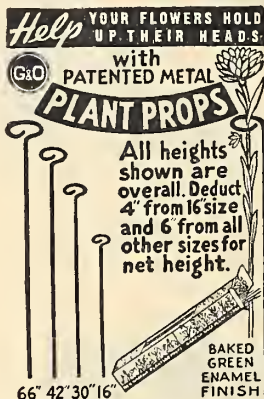
New weatherized trellis netting. Ideal support for Sweet Peas, Morning Glories or any of the light climbing vines. Made in three sizes. No. 1, 60x72 in., 45c, each, post paid, 50c. No. 2, 60x96 in., 55c, each, post paid, 60c. No. 3, 60x180 in., 75c, each, post paid, 85c.

PANEL STYLE PICKET FENCE

A simple, inexpensive, yet practical style fencing for many useful purposes. Panels are made of $\frac{1}{2}$ x $1\frac{1}{2}$ clear, kiln-dried, southern yellow pine, surfaced four sides. End pickets 18" long, pointed for driving into ground. Intermediate pickets 12" long. All pickets secured to cross rails by No. 18 gauge galvanized wire staples. All panels painted white with good quality oil paint. 18" panels per dozen, \$2.25, 4 dozen for \$8.60, weight per dozen 13 lbs. 36" panels per dozen, \$4.50, 2 dozen for \$8.50, weight per dozen, 26 lbs.



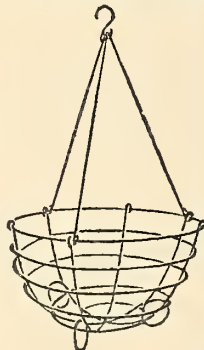
Wire Plant Props



66" 42" 30" 16" 66 inches overall, doz., \$1.50.

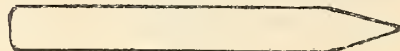
ORNAMENTAL LAWN FANS

Most popular and inexpensive. Are most substantially built in natural wood finish. No. 106—Height 72 in. Spread 42 in. Price each, \$2.00. No. 108—Height 96 in. Spread 60 in. Price each, \$2.65. (No. 106 may be shipped parcel post.)



BASKETS—Wire, Hanging, Each, 6-in., 30c; 8-in., 35c; 10-in., 45c; 12-in., 55c; 14-in., 70c; 16-in., 95c.

LABELS



Wooden. For pots, painted.

| Length | 100 | 1000 | Length | 100 | 1000 |
|------------|--------|--------|------------|--------|--------|
| 4-inch.... | \$0.45 | \$2.25 | 6-inch.... | \$0.60 | \$3.50 |
| 5-inch.... | .50 | 2.95 | 12-inch.. | 1.60 | 12.95 |

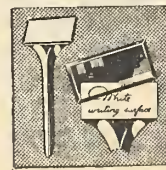
Tree, Labels Wired. 3 $\frac{1}{2}$ in. 100, 60c; 1000, \$3.50.

LABELS. Zinc, Tree. Wired 3 $\frac{1}{2}$ inches long, $\frac{3}{4}$ inch wide. Price per doz., 30c; 100, \$1.95.

Simplex Weatherproof Plant Labels. White celluloid with transparent cover of genuine mica, including copper wires for attaching. No. 1, 3 x $\frac{1}{2}$ inches. Doz., 50c; 100, \$3.00.



USE A PENCIL - No fade-out of your markings Beauty, Strength, Permanence. Made of metal; green baked enamel finish.



Slip-over fool-proof metal cap with non-shatterable transparent window. Stake 7" long; ample white marking space $2\frac{1}{2}$ x $1\frac{1}{2}$ ".

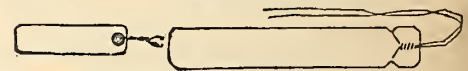
| | |
|------------------|--------|
| 12 markers..... | \$1.00 |
| 25 markers..... | 2.00 |
| 50 markers..... | 3.75 |
| 100 markers..... | 7.00 |

ZINC

PERMA LABELS. Improved type, all one piece, all metal labels. Price, 100 for 95c; 500 for \$4.25; 1,000 for \$7.75.

Rose - Los Angeles

No. 31 SIMPLEX Green Weather-Proof Plant Labels. Price includes copper wires for attaching and steel stylus for marking. No. 31, size 3 x $\frac{1}{2}$ inch, per doz., 40c; per 100, \$2.50.



Copper. Indestructible. Tree and shrubbery, copper wired. Small, 30c doz.; 100, \$1.95; large, 40c doz.; 100 for \$2.65.



"GARDEN CHIEF MARKER"

Treated with a preservative that protects against decay.

Undercut groove contains white chemically treated waterproof name card, covered by a dirt-proof transparent window.

Just use ordinary pencil, and the name will remain for years.

| | |
|---------------------|---------|
| 12-inch size, doz., | 50c; |
| 3 doz., | \$1.35. |
| 18-inch size, doz., | 65c; |
| 3 doz., | \$1.75. |

NEW STEEL WHITE CAP GARDEN MARKER

The 9 inch double wire stickers are capped with a durable white zinc tablet $\frac{1}{4}$ inch wide, $2\frac{1}{4}$ inch long. This name tablet is removable, either side may be written on; just bend the folded ends back, reverse and fold ends over securely. Lead pencil marks stay on for years, yet can be erased if desired. Price, doz., 60c; 30 for \$1.20; 100 for \$3.50. Extra tablets, 60c per 100.



Waterproof and dirt proof, painted green so that it blends right in with foliage. Doz., 50c; three doz. \$1.35.

GARDEN LINE

REEL. (Weight, 2 lbs.) Each, \$1.65.

GARDEN LINE.

Each heavy braided.

Per. 96 feet, 95c;

by mail, \$1.00.

GRAFTING WAX. Per $\frac{1}{4}$ lb. bar, 25c; $\frac{1}{2}$ lb. bar, 40c; 1 lb. bar, 65c.

BASKET-MAKING MATERIALS

Add postage to your order if to go by mail.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

Raffia Fibre for Baskets, Etc.

| | 5-lb. Lots | Bunch Lb. Per Lb. |
|----------------------------------|------------|-------------------|
| Natural, Best Grade, about 2 oz. | \$0.20 | \$0.95 |
| Colored, about 1 oz. | .20 | 1.30 1.25 |

Reeds White Prime the Best Quality

Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

| | $\frac{1}{2}$ -lb. | Lb. | Per Lb. |
|-------------------------------------|--------------------|--------|---------|
| No. 1..... | \$0.65 | \$1.10 | \$1.00 |
| No. 2..... | .60 | 1.15 | .95 |
| No. 3..... | .55 | .95 | .90 |
| No. 4..... | .50 | .85 | .80 |
| No. 5..... | .45 | .80 | .75 |
| No. 6..... | .40 | .75 | .70 |
| No. 7..... | .37 | .70 | .65 |
| Flat Reed, $\frac{3}{4}$ -inch..... | .45 | .80 | .75 |
| Split Reed, No. 6..... | .45 | .80 | .75 |

All numbers above, per bunch, 20c.

Garden Hose, Sprinklers and Irrigators

WATER NON-KINKABLE HOSE



This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. $\frac{3}{4}$ inch smooth cover, 50 ft. lengths. Coupled, \$14.95.



A Good Grade Garden Hose, $\frac{3}{4}$ -inch, fitted with $\frac{3}{4}$ -inch couplings. 50 feet length, \$5.95.

Ross Square Spray Heads for Scientific Sprinkling



It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for $\frac{1}{2}$ inch pipe, capacity $3\frac{1}{4}$ gals. per minute. Has a slotted adjusting screw to control the area of the spray. No.

54A. Each, 65c; per doz., \$7.20.
64A. $\frac{1}{2}$ or $\frac{3}{4}$ circle heads. Each, 65c; doz., \$7.20.

LINCOLN PARK OR BUTTERFLY



Cheapest and best sprinkler made. Each, 65c.

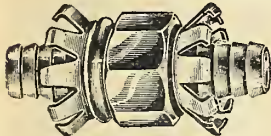
Mounted on stand: 2-foot, \$1.75; 4-foot, \$2.00; 6-foot, \$2.35.

GARDEN CLUB PLASTIC ADJUSTABLE HOSE NOZZLE



Dark red finish. Adjustable for sprays, streams and shut-off, leak proof. It is a satisfactory wartime substitute for standard brass nozzle. Each, 75c; postpaid, 85c.

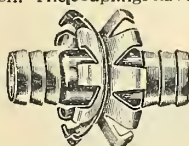
PLASTIC CLINCHER HOSE COUPLING



Tight grip, will not leak, easily applied. Made with dark green plastic body. The heavily plated steel fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each, 40c; doz., \$4.40.

PLASTIC CLINCHER HOSE MENDER

Price each, 15c; doz., \$1.30.



THE EVANSTON SPRINKLER



One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. Each, 90c.

Boston Rose Spray. Brass; for $\frac{3}{4}$ -inch hose; useful for watering lawn and garden. Each, \$1.60; by mail, \$1.65.



Ross No. 10 Hand Sprinkler. Preferred by nurserymen and home owners alike. Capacity 15 gallons per minute. Do not compare with cheaper imitations. Each, \$1.00. Red Rubber Washers. 12 on clip. Per clip, 10c.

ROSS PORTABLE SPRINKLER

Ross Portable Sprinkler System. A good substitute for an underground sprinkling system for the small lawn at a much lower cost. When used between lengths of hose of about 15 ft., three tees will cover about 675 sq. ft. of lawn and four tees will cover about 900 sq. ft. Each set consists of No. 30 adjustable tees and No. 58 square spray heads, with one No. 70 hose cap. Per set of three, \$4.50; weight, 2 lbs.; per set of four, \$5.75; weight, 2 $\frac{1}{2}$ lbs.



FERTILIZER APPLICATOR

(Fertilizes as you Sprinkle)

Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of die cast metal. Price, \$1.95; postpaid, \$2.10.

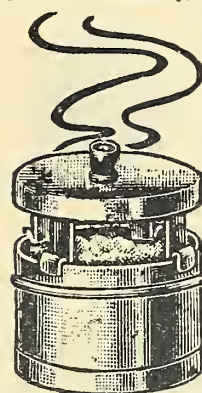


WATER WAND

Watering shrubs, flowers and trees is a simple job with Water-wand; no danger of washing away the rich top soil. Each, \$2.50.

VITAMIST FOR LAWN VIGOR

Vitamize as you sprinkle. No special nozzle or attachment necessary. Fits any garden hose or sprinkler. Just insert Vitamist cartridge in hose or sprinkler, turn on water, adjust nozzle to fine spray and sprinkle any part of lawn or garden. A cartridge requires about five or six minutes to dissolve. Packed 30 cartridges in a box. Thirty weeks supply for average lawn and garden. Price, \$1.00 per box.



EVEREADY SMUDGE STOVES

Will drive away mosquitoes, flies, and insects. Has a pleasant odor, lasts from 14 to 24 hours. Each, 35c; doz., \$3.60.

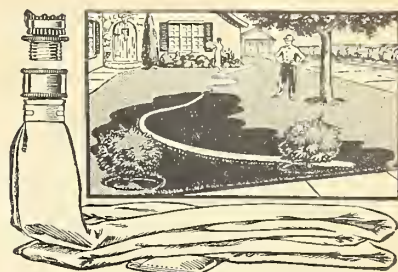
KNIVES

Budding. Aluminum handle. Each, \$2.50; by mail, \$2.60.
Budding and Prop. Two blades; white handle; brass caps. Each, \$1.75; by mail, \$1.85.
Pruning. Stag handle. Each, \$2.50; by mail, \$2.60.
Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for \$1.00.



CARBORUNDUM BRAND. Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10 $\frac{1}{4}$ inches long over all. Fitted with a durable wood handle finished in red. Each, 85c; by mail, 95c.

SOIL SOAKER



Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe. No. 0, 12 ft. Price, \$1.40; No. 1, 18 ft., \$1.90; No. 2, 30 ft., \$2.90; No. 3, 50 ft., \$4.75.

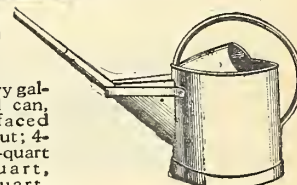
NEW STREAMLINED HARCO SPRAYER



Get Penetrating Spray quickly, easily with this brand new, efficient, easy-to-use Harco sprayer. Harco, plus good liquid insecticide means quick, certain death to garden-blighting insects and destructive fungus pests. Harco's conveniently long extension rod sends a penetrating spray right where it is most needed for effective garden pest control. Each, \$2.35.

WATERING POTS

American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart, \$6.25; 6-quart, \$7.25; 8-quart, \$8.25; 10-quart, \$8.75; 12-qt., \$9.50.



French Style. Oval, otherwise same make as above, 6-quart, \$7.75; 8-quart, \$8.50; 10-quart, \$9.55; 12-quart, \$10.25.

SPRINKLER'S

Scollay's Rubber.

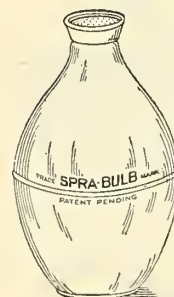
Best sprinkler for plants, ferns and flowers, holds 10 fluid ounces. Large, \$1.75. By mail, \$1.90.



Scollay's

Spra-Bulb.

An indispensable household help used in and outside the home, ideal for moistening laundry and spraying powder on plants and animals. Each, \$1.45. Postpaid, \$1.60.



TURF EDGER

American.....Each, \$1.35



SOD LIFTER

Polished steel blade, strap ferrule. D handle with ebonized wood grip. Length of handle, 2 $\frac{3}{4}$ feet. Length over all, 4 feet. Price, each, \$2.95.



Hole-in-One Planting Tools

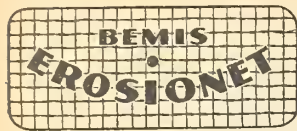
Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 65c; postpaid, 75c.

Long Handle Hole-in-One Planting Tool
Each, \$4.25.

Lawn Making Equipment

USE EROSIONET

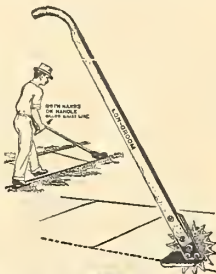
For New Lawns, Weak Lawns, and Stubby Terraces



Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2 1/2 in. high. Width 45 inches. Price per yd., 12 1/2c; 25 yd. lots, 11 1/2c per yd.; 100 yd. lots, 10 1/2c per yd.; rolls of 250 yds., 9 1/2c per yd.

LON-GROOM

America's scientifically correct lawn edger. Strong spoke wheel holds sod and grass while the sharp tempered steel blade cuts a straight line along the edge of walk. A neat narrow groove may also be made by slanting the edger. Is excellent for circling shrubbery, flower beds, and tree trunks. Shipping weight, 4 1/2 lbs. Each, \$2.25.



Flame Shooter Gun

General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, \$18.95 (weight 17 lbs.).



SILVERSWEEP LAWNRAKE

New hi-quality spring steel tines. Tines embossed at base, creating an even bend when in use and eliminating a fatigue point. No bar across tines to catch leaves and to give tines undue bending point. Tines 1/8 inch wider, giving greater bearing surface on the ground. Stake is lighter than many in its quality class. Tine spread = 18". No. tines = 22. Handle length = 52". Shipping wt. = approx. 1 lb. 14 oz. Each, \$1.25.



GARDENADE



The Gardenade combines a kneeling pad and a convenient rack for your garden tools. Upright handles enable you to lower yourself and lift yourself with a minimum effort. Your knees rest on a large soft cushioned pad. Can also be used in the home when it is necessary to kneel in cleaning floors. Price, \$3.25.

SPRINGFIELD LAWN SWEEPER

This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner, the brushes are made of tough durable bassine fibre, which is not affected by water, adjustable for close or light sweeping, runs as easily as a lawn mower. 22-inch with semi-pneumatic tires, \$34.00.



Greenlee Earth Auger

A handy auger for drilling holes to feed plant food to trees and shrubs. 2-inch size with 6-inch twist; length 40 inches overall Each, \$4.00.



METAL LAWN SIGNS

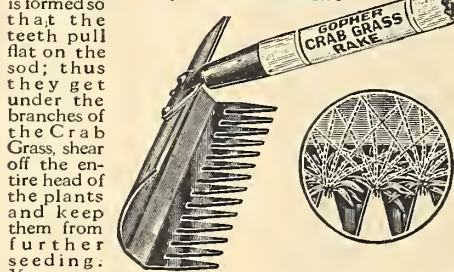
These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size 3 3/4 x 12 inches. Colors, green on white and black on white. Sign wordings—Please-Seeded—Keep off Grass. Signs with stakes, each, 35c; six for \$1.80.

HANDY ADJUSTABLE LAWN RAKE



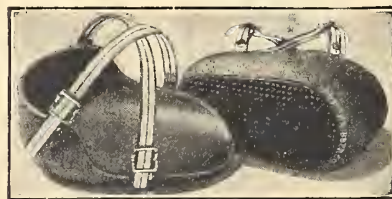
An all-purpose lawn rake. Depth gauges adjustable. makes rake pull easily over soil without pulling up sod; made of high carbon steel. 5 ft. ash handle. Ceiling price, each, \$1.75.

Handy Crab Grass Rake



This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass, shear off the entire head of the plants and keep them from further seeding. You can eliminate crab grass with this rake and not harm the other grasses; it will also pull out any weed that clings close to the ground. Each, \$1.50.

KNEE PADS



All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down when walking. Price, \$1.95; p'tp'd, \$2.10.

NEW HANDY SEEDER

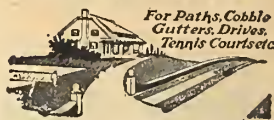


This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 65c, postpaid.

For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., 75c; gal., \$2.00; 5 gals., \$7.50; 10 gals., \$12.50; 55 gals., \$44.00.

A \$6.00 deposit is required on drums. Drums returnable prepaid for credit in good condition within 30 days.

"HERBICIDE" THE WEED EXTERMINATOR



MEO-181.

Destroys Dandelions, Crab grass, and other common weeds. Any spraying apparatus which spreads a fine atomized mist is suitable for applying MEO-181. Price, qt., 65c; gal., \$1.55; 5 gals., \$7.25.



ZOTOX CRAB GRASS KILLER

Kills both the plant and seeds of Crab Grass and checks reinfestation. It does not destroy lawn grasses and is non-injurious to soil. Simply mix with water and spray. When used as an over all spray, it kills dandelion, plantain, buckhorn, etc. — The 8 oz. bottle (\$1.00 size) makes 5 gallons and treats 1,000 sq. ft. For spot treatment of small patches it goes much further. 8 oz. bottle, \$1.00; 16 oz. bottle, \$1.50; 32 oz., bottle, \$2.50; 5 lb. bottle, \$4.50.

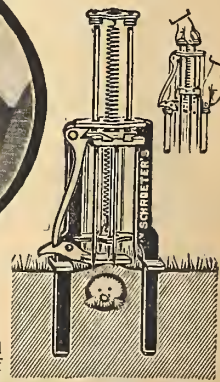


GETZUM WEED GUN

Kills dandelions and other weeds without injury to lawn. Does not sterilize the soil. Does not corrode or rust metals. Insures easy and economic application. No stooping or back breaking. Place cane on crown of dandelion or weed and press handle lightly. A small amount of chemical is released and does all the work. Price, complete, with liquid, \$1.75. Killer chemical, pint, 30c; gal, \$1.75.

Bergman Lawn Mower Sharpener

A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.00.



MOLE TRAP

Improved with patented setting attachment. One of the best mole and gopher traps. Each, \$2.00.

Mole Trap

Tool Supply Limited

Our stocks of garden tools are not large, and replacements are uncertain, because of war restriction. Customers are advised to place their orders as early as possible, to insure delivery.



Garden Tools and Pruners

HAND PRUNING SHEARS

Illustrated above.

- No. 1—Ladies' 6-inch Nickel Plated Pruning Shear, each, \$1.85; postpaid, \$1.95.
- No. 2—Porter Professional High Grade Pruning Shear, 9-inch, each \$4.25; postpaid, \$4.35.
- No. 4—Pruner, parrot beak blade, full polish tempered steel blade. Very high grade shear, 9-inch. Price \$3.50 each; postpaid, \$3.60.
- No. 5—American-made full polish brass spring with ratchet, each, \$2.25; postpaid, \$2.35.
- No. 6—American-made full polish, 9-inch, with ratchet coil spring, each, \$2.10; postpaid, \$2.25.
- No. 7—Heavy duty Snap Cut Pruner, each, \$2.25; postpaid, \$2.35.
- No. 8—Wiss high power Pruner, gun metal finish each, \$1.25; postpaid, \$1.35. Full polish, each, \$2.25; postpaid, \$2.35.

CUT FLOWER SHEARS

- No. 9—Flower or Wire Scissors, each, \$2.00; postpaid, \$2.10.
- No. 10—Tinner or Wire Snips, each, \$2.00; postpaid, \$2.10.
- No. 11—Flower Gatherer, holds the cut stem, large size, each, \$1.25; postpaid, \$1.35.
- No. 12—Flower Gatherer, holds the cut stem, nickel plated, each, \$2.25; postpaid, \$2.35.

PRUNERS

- No. 16—Clyde Draw Cut Pruner, 24-inch handles, each, \$4.50.
- No. 17—Disston All Steel Pruner, wood handles, 28 inches over all, each, \$4.25.

TREE AND SHRUBBERY PRUNERS

- No. 13—Waters Tree Pruner. Top illustration, 6-ft. pole, each, \$3.00.
- No. 13A—Same as No. 13, 8-ft. pole, each, \$3.25.
- No. 13B—Same as No. 13, 10-ft. pole, each, \$3.50.
- No. 13C—Same as No. 13, 12-ft. pole, each, \$3.75.

- No. 14—Bartlett Tree Pruner, 12-ft., three 4-foot poles jointed, complete, each, \$9.75.
- No. 15—Telephone Pruner Head, can be attached to any pole, each, \$3.00.

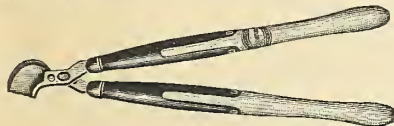
THE PORTER POINTCUT PRUNER

Designed for the fruit grower. Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. \$6.00.



FORESTER PRUNERS

- No. 1—20 inches long, designed for home use. Each, \$6.00. Weight, 2 lbs., 10 oz.
- No. 2—27 inches long, has a capacity up to 1½ inch. In green wood. Price, \$7.25. Weight, 4 lbs., 10 oz.
- No. 3—34 inches long, capable of cutting up to its rated capacity (up to 2 inches) in any so-called hard wood, such as oak, maple and beech. Weight, 7 lbs., 4 oz. Each, \$8.50.



BUCKEYE PRUNER

20 inch, each, \$2.50; 26 inch, \$3.00.



WISS High Power Pruner. No. 906B. Gun-metal finish, each, \$1.35; heavy duty, full polished, \$2.35.

SPADE. Razor Back. Rolled in backbone extending full length through blade frog and socket. Ceiling price, ea., \$2.00.

SHOVEL. Razor Back. Same construction as spade. Ceiling price, each, \$2.00.



California Pole Trimmer curved draw cut saw with crook for removing branches. Ceiling price, each, \$3.00.



18-inch Double Edge Pruning Saw. Highest quality. Ceiling price, each, \$2.25.



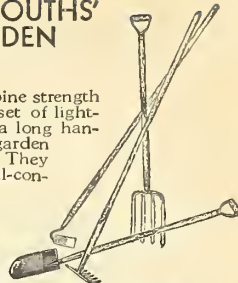
Hand Curved Pruning Saw of highest quality. Ceiling price, each, \$2.25.



Curved Hand Double Edge Pruning Saw. Ceiling price, each, \$2.50.

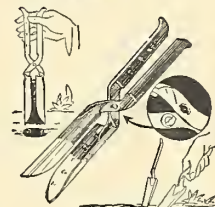
LADIES' AND YOUTHS' SET OF GARDEN TOOLS

Well constructed; combine strength and light weight. This set of light-weight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well-constructed tools (not toys), handy for use in camp and home garden.



dens. Price, per set, \$5.25.

HOE. Garden Scuffle or Push. 7-inch, \$1.35; with 5 ft. handle.



Garden Gadget

Can be used as a transplanter for planting bulbs and small plants, also as two separate trowels. Each, 65c; postpaid, 75c.

Vaughan Wiss-Klip Grass Shear. Same as a above with short handle. Each, 85c. By mail, 95c.

FORK.

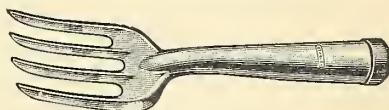
Lightweight

Spading

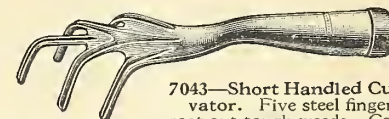
True temper quality, handy for spading around shrubbery and perennials. Each, \$1.75.



7041—Trowel. Comfortable steel handle. Rigid, full size blade with sharpened cutting edges. Each, 35c.



7043—Short Handled Fork. Four long tines for digging around plants and shrubs. Each, 35c.



7043—Short Handled Cultivator. Five steel fingers to root out tough weeds. Corrugations increase strength. Each, 35c.



7044—Transplanter. Useful as lawn weeder as well as transplanter. Cutting edges sharpened. Each, 35c.

GARDEN SET of the above four illustrated hand tools in Chrome Finish including a transplanting trowel and regular garden trowel. Per set of four tools, \$2.35; postpaid, \$2.50.

DIBBER. For

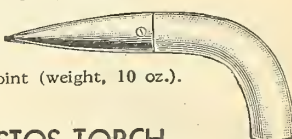
transplanting

vegetable

plants, steel point

(weight, 10 oz.).

Each, \$1.00.



ASBESTOS TORCH

Practical for burning caterpillars, worms and other tree pests. It is a black lined ball, filled with asbestos fibre, so constructed that it can easily be attached to any pole. Dip the torch in kerosene and light. Ea., 50c; 3 for \$1.35.



SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ¼ to ½ inch. Each, \$2.00.

Vaughan's Wick-fed

METAL SEED STARTER



View of Wick-fed Starter with Plant Bands.
Size, 12x18 inches, 4 inches high.



How wick is placed in bottom of starter.



End view showing water pan below.

COMPLETE, WITH FIBRE GLASS WICK, 60 PLANT BANDS, AND SPHAGNUM MOSS, \$2.50 FOR (Weight 4½ lbs.)

This seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many customers. This is a full size "flat," made of heavy metal to last for years, covered with a rust-resisting enamel of pale green, which you will be glad to have in your sun parlor or living room window.

It makes use of two of the most recent scientific developments in seed starting: 1. Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an overflow. 2. The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

As shown in the illustrations, water is supplied to the soil from a pan placed underneath the starter, by the agency of capillary attraction, through a fibre glass wick, the top of which is frayed and embedded in the soil, the lower end being immersed in water in the pan below. Any suitable pan, saucer, or dish can be used.

Fill this container with water daily, and the wick will do the rest. This method of watering leaves nothing to chance or judgment, and solves in the easiest imaginable way one of the most serious problems of seed-box management. It has been thoroughly tested by Cornell University. The wick will last indefinitely.

Seeds may be sown in the starter in rows, broadcast or, as shown in the illustration, in plant bands. If started in plant bands, and grown one plant to a band, sturdy full size pot plants will be produced without transplanting. Seedlings may be easily transplanted into plant bands, if preferred. Start the seedlings in a small box, or get two seed starters, using one in which to start seeds, the other in which to transplant. Complete instructions for the management of the starter with detailed directions for a long list of subjects with each starter.

HOTBED SASH

HOTBED SASH. 3x6 feet, 1½ inches thick, made from clear grade genuine tidewater gulf Red Cypress, for three rows 10 inches wide glass, lapped, nailed together with white-leaded joints, reinforced across the center with galvanized flat steel bar; open, unglazed, each \$3.20; 3 for \$9.00; doz., \$31.60. Glazed, painted one coat, 10x14 inches double strength flat drawn greenhouse glass, each, \$6.25; 3 for \$18.00; six, \$34.00. When less than three glazed sash are ordered, there will be an extra charge of 60c for crating.

SEED FLATS. Made from genuine Red Cypress, knocked down, bundled in bundles of 20 flats each, with nails.

| Inside Dimensions | | Per Bundle of 10 |
|-------------------|------------------|------------------|
| No. 2. | 22½x15x2¾ inches | \$3.40 |
| No. 1. | 20 x14x2¾ inches | 3.00 |
| No. 2-A. | 22½x15x3¾ inches | 3.60 |
| No. 1-A. | 20 x14x3¾ inches | 3.40 |

In less than bundle, 3c per flat additional.

THERMOMETERS. Tin Case, 8-in. 50c.

Hotbed. Brass point, wooden frame, \$3.75.

Self-Registering. With magnet to set it, 8-inch, each, \$7.50; registers highest and lowest temperature.

Tin Case. Standard grade, tested, 8-inch, each, \$1.50.

White Porcelain Enameled with red spirit tube, easy to read. Each, 60c.

Thermometers shipped by parcel post at purchaser's risk only.



Standard Grade Tested



Hotbed

VITAPANE
A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, \$9.25. ½ roll, \$5.00; per yd., 75c.



CEL-O-GLASS

Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and for many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Per square yard, \$1.35; 25 ft. roll 3 ft. wide, \$9.75; 100 ft. roll, \$35.00.

GLAZING POINTS. Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., 75c; by mail, 80c. Siebert's Improved. Easy to drive, and will not wedge or crack glass, 2 sizes, ¾ and 1½ inch long. Price per lb., 70c; by mail, 80c.



HOTBED MATS AND VIO-RAY WINDOW FABRIC

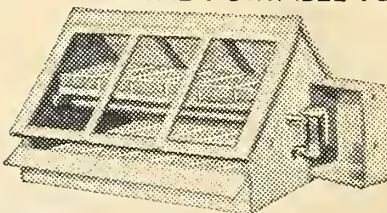
Water-proof Duck and Burlap Hotbed Mats. A combination of heavy-weight burlap on one side and heavy waterproof duck on the other side, for protecting hotbeds, easy to handle, wears for years.

Size, 40x78 inches. Each, \$4.00; doz., \$45.00.

Size, 78x80 inches. Each, \$6.50; doz., \$75.00.

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weather-proof and water-proof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., 48c; 10 yd. roll, \$4.50; 25 yds., \$11.00.

KEENE PORTABLE PLANT STARTERS



Two popular sizes, have controlled hot water heat with a choice of either oil lamp or electric unit, a thermostatic control assures uniform and economical heat with slight attention even in freezing weather.

Model O—Holds 12 Keene flats size 31x30 inches, 26 inches high. Oil model, \$21.95. Electric model, \$23.95.

Model 1—18 flat size, 31x41 inches, 26 inches high, shipping

weight 85 lbs. Price with oil burning unit, \$25.95.

Model 10, same size with electric unit, \$27.95.

Model 2—30 flat size, 31x67 inches, 26 inches high, shipping weight 125 lbs.

Price with oil burning unit, \$31.95. Same size with electric unit, \$33.95. Flats. For portable plant starters, each, 17c.

HANDY IMPROVED SEED STARTER

Two sturdy, attractive water-proofed cardboard boxes 10½ x 7½ x 1¼" deep. The box is printed in dark wood brown and is covered with two color display sleeve. There are 24 seedling trays. The trays are 2½" deep, giving more room for roots to grow. Base trays thoroughly waxed inside and out and absolutely leak-proof. Name tabs are included for each tray. Complete instructions and planting charts are printed on the sleeve. Price each, 50c; postpaid, 60c.



PEST EXTERMINATORS



Ant-X-Trap. Deaths to Ants in the house or garden. This safety type container carries a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price, 25c; six for \$1.25.

Ant-X Jelly Bait. Kills quickly. This jelly controls sweet and grease eating ants. It will also killants in the nest. 1 oz., 35c; 4 oz., tube, \$1.00; Industrial size, 5-lb. pail, \$15.

Dog-Check. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying lasts from two to three weeks. 3-oz. size, complete with sprayer, 60c; 8-oz. size, with sprayer, \$1.00, 32-oz., size, \$3.00; gallon, \$11.50.

Rat-Not. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Notes, 25c; Estate size, 60 Notes, \$1.00.

Mouse-Not. Impregnated seed bait kills mice. Trial size package, 9 Notes, 25c; Estate size, 60 Notes, \$1.00.

Mole-Not. Life saver for lawns, bulb and seed beds. Trial size, 8 Notes, 35c; Estate size, 50 Notes \$1.00; Jumbo size, 125 Notes, \$2.00; Gardener size, 400 Notes, \$5.00; Giant size, 1,000 Notes, \$10.00.

Roach-Not. Semi-toxic insecticide in pre-paid bait form. Very effective in controlling Roaches. Trial size, 9 Notes, 25c; Estate size, 60 Notes, \$1.00.



Vaughan's Fancy Grasses and Field Seeds

For Lawn Seed Mixtures, See Page 4. All Prices Prepaid, Except where Specifically Noted.
All Grasses and Field Seed Prices Are Subject to Change Without Notice.

Fancy Kentucky Blue Grass

POA PRATENSIS

Extra Heavy Sun-Cured Seed. Specially re-cleaned. Price, $\frac{1}{2}$ lb., 25c; 1 lb., 45c; 3 lbs., \$1.35; 5 lbs., \$2.15; 10 lbs., \$4.00; 15 lbs., \$5.90; 20 lbs., \$7.75; 25 lbs., \$9.50; 50 lbs., \$17.00.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price, $\frac{1}{2}$ lb., 20c; 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.40; 20 lbs., \$5.80; 25 lbs., \$7.15; 50 lbs., \$14.00.

CANADA BLUE GRASS (*Poa compressa*)

Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., 45c; 3 lbs., \$1.30; 5 lbs., \$2.10; 10 lbs., \$4.00; 25 lbs., \$9.50; 50 lbs., \$17.50.

WHITE CLOVER

Extra Fancy Seed. Price $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.10; 2 lbs., \$2.20; 3 lbs., \$3.25; 5 lbs., \$5.25; 10 lbs., \$10.25; 15 lbs., \$15.00; 20 lbs., \$19.40; 25 lbs., \$23.25.

Choice. Price, $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 55c; 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.75; 10 lbs., \$9.25; 15 lbs., \$13.50; 20 lbs., \$17.40; 25 lbs., \$20.75.

RED TOP GRASS (*Agrostis alba*)

Extra Fancy, re-cleaned solid seed. Price, $\frac{1}{2}$ lb., 20c; 1 lb., 30c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

English or Perennial Rye Grass (*Lolium perenne*). A lawn grass where quick results are wanted. Price, 1 lb., 35c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.40; 20 lbs., \$5.75; 25 lbs., \$7.00; 50 lbs., \$13.25; 100 lbs., \$25.00.

Common Rye Grass. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, Spring or Fall in the north. Price, 1 lb., 25c; 3 lbs., 70c; 5 lbs., \$1.10; 10 lbs., \$2.00; 15 lbs., \$2.90; 20 lbs., \$3.50; 25 lbs., \$4.00; 50 lbs., \$7.50.

Fescues

★**CHEWING'S FESCUE (NEW ZEALAND GROWN).** This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., 80c; 2 lbs., \$1.60; 3 lbs., \$2.35; 5 lbs., \$3.80; 10 lbs., \$7.40; 15 lbs., \$10.75; 20 lbs., \$14.00; 25 lbs., \$17.00; 50 lbs., \$32.50.

★**CREEPING RED FESCUE.** One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., 95c; 2 lbs., \$1.90; 3 lbs., \$2.80; 5 lbs., \$4.55; 10 lbs., \$8.90; 15 lbs., \$13.00; 20 lbs., \$17.00; 25 lbs., \$20.75; 50 lbs., \$40.00.

FOR SOUTHERN LAWNS

Bermuda Grass (*Cynodon dactylon*). The grass for southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the south; winter kills in the north. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). Price, 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.65; 10 lbs., \$5.25; 15 lbs., \$7.55; 25 lbs., \$12.25; 50 lbs., \$23.50; 100 lbs., \$45.00.

Winter Grass. For a winter grass in the south use rye grass or red top.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

CERTIFIED VICLAND OATS

This strain, developed by the Wisconsin Agricultural Experiment Station, has created a sensation among farmers. It is highly resistant to smuts and early rusts, early maturing, produces strong straw and is slow to sprout in the shock. The grain is heavier than the average and yield superior.

We offer Wisconsin certified seed, produced directly from foundation stocks supplied by the Wisconsin College of Agriculture, grown under careful field supervision and laboratory tests to insure a high degree of purity and germination.

1 bu., \$2.00; 10 bu., \$1.90 each, freight collect.

CLOVERS AND ALFALFA

(Northern Grown)

Medium Red. (Purity 99.50 or better). Sow at the rate of 8-10 lbs. per acre. Price, 1 lb., 45c; 5 lbs., \$2.00—Postpaid. By Freight collect, peck, \$4.75; bu., \$18.25; 3 bu., at \$18.00—Bu. sacks free.

Alsike Clover. (Purity 97% or better). Sow at the rate of 5 to 6 lbs. per acre. Price, 1 lb., 45c; 5 lbs., \$2.00—Postpaid. By Freight collect, peck, \$4.75; bu., \$18.25; 3 bu., at \$18.00. Sacks free.

Alfalfa Seed. Common or Grimm. We carry a complete line. Write for prices on the varieties in which you are interested.

Write for Complete Price List of Field Seeds or let us know your requirements and we will be glad to quote special quantity prices. Purity and Germ. tests made in our own laboratories.

Miscellaneous

Awnless Brome Grass (*Bromus inermis*). Very strong, quick growth, making two crops of very abundant pasture. Has proven very valuable for pasture when sown with alfalfa. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Sow in the Spring, 2 bushels per acre (14 lbs. per bushel). Price, 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50; 25 lbs., \$5.00; 50 lbs., \$9.00; 100 lbs., \$17.00.

Timothy (*Phleum pratense*). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better). Price, 1 lb., 25c; 2 lbs., 40c; 3 lbs., 55c; 5 lbs., 85c; 10 lbs., \$1.60; 1 bu., \$4.95 (45 lbs.); 100 lbs., \$11.00. Timothy not prepaid in lots of 1 bushel and over. Grain bags included free.

Reed Canary Grass. A fine perennial for hay or pasture on low marshy land. Use 5 to 8 lbs. per acre broadcast, and 3 to 5 lbs. with drill. Sow early in Spring or August, September. Ask for prices.

Sudan Grass. Sow 35 lbs. per acre. Makes an excellent emergency hay crop. Can be sown any time from May 20th, to June 20th. It withstands long periods of drought. 1 lb., 20c; 5 lbs., 55c, postpaid. By freight, collect; 10 lbs., 70c; 100 lbs., \$6.50; sacks included.

Dwarf Essex Rape. Makes a quick pasture and is very valuable feed. Ideal for sheep, hogs and cattle. Sow in early spring. 5 to 10 lbs. per acre, or with spring grain, 2 lbs., per acre. 1 lb., 35c; 5 lbs., \$1.50, postpaid. By freight, collect; 10 lbs., \$2.50; 100 lbs., \$16.00.

Winter Vetch. A very valuable leguminous plant, especially for lighter soils. Can be sown spring or fall. Sow 15 to 20 lbs. of Vetch and $\frac{1}{2}$ bushel grain, per acre. Makes splendid hay. 1 lb., 30c; 5 lbs., \$1.00, postpaid. By freight, collect; 10 lbs., \$1.60; 100 lbs., \$14.00.

BIRD SEED

Canary Seed. 1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.10; 25 lbs., \$4.75.

Rape. Large—sweet (not bitter like the small black). 1 lb., 30c; 5 lbs., \$1.40; 10 lbs., \$2.70; 25 lbs., \$6.25.

Hemp. 1 lb., 35c; 5 lbs., \$1.70; 10 lbs., \$3.30.

Sunflower. 1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.70; 25 lbs., \$3.75.

Vaughan's Special Canary Mixture. 1 lb., 35c; 5 lbs., \$1.20.

Finch Seed. 1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.60.

Parakeet Seed. 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.65.

Vaughan's Wild Bird feeding Mixture (as recommended by the Illinois Audubon Society). 1 lb., 10c; 5 lbs., 45c; 11 lbs., \$1.00; 100 lbs., \$8.50.

Prices do not include Postage. See table at the back of book for rates.

Quality Perfumes ALL AMERICAN

PERFUME PRICES

| | |
|---------------|--------|
| 1 dram | \$0.65 |
| 2 drams | 1.25 |
| ½ oz. | 2.25 |
| 1 oz. | 4.00 |

COLOGNE PRICES

| | |
|--------------|--------|
| 1 oz. | \$0.50 |
| 4 oz. | 1.25 |
| ½ pint. | 2.35 |
| 1 pint. | 4.50 |

(An ounce contains eight drams)

NOTE: Add 10% Federal Excise Tax to Retail Perfume Prices.

These prices postpaid to any point in the United States. Prices are based on plain containers. Gift Box included.

—These Are Ceiling Prices—

Even before France fell and while her finest perfumes were still available, we invited direct comparison with these, regardless of price.

Today, imported perfumes are no more. Vaughan's fine floral perfumes are still available, can still be compared with the finest, regardless of price.

While unusual demand has exhausted stocks of some odors, we have been fortunate in replacing most of these from small lots of fine essential oils imported before war destroyed contact with Europe's great producing centers.

If you can no longer find your favorite imported odor, you will find the following blends of the same individual character as the best Parisian bouquets: Bouquet S, Bouquet X, Hawaiian Lei, Zanzibar, Calcutta, Victoria Regina and Song of the Heart.

THE FOLLOWING ODORS ARE AVAILABLE IN EITHER COLOGNE OR PERFUME

(Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water). It is used wherever a perfumed lotion is wanted—in the bath, on linens, or as a refreshing lotion.

Appleblossom: Soft, yet fresh and clean.

Bouquet S: A delicately feminine blend rich floral oils that in France and America is accepted as the leading type of odor in the better shops.

Bouquet X: Another blend, slightly "drier" and less sweet. An exotic fragrance preferred by women accustomed to the better French perfumes.

Carnation: Many acknowledge it as the best recreation of this beloved old favorite.

Forest Breeze: A smoky, piney fragrance—the scent of a pine forest on an autumn day.

Freesia: We are proud to have captured the elusive scent of this delicate flower.

Gardenia: Not sweet like so many "Gardenia" perfumes—a rich, intense odor.

Vaughan's Sampler: To prove to our customers the high quality of our perfumes, we have assembled a "Sampler" collection, featuring our ten leading fragrances, a full one-eighth dram of each, enough for several applications. All ten fragrances, \$1.00 postpaid.

Geranium: Like a crushed leaf of the green plant.

Hawaiian Lei: A lovely blend of exotic tropical flowers.

Heather: A rich "smoky" or "peaty" fragrance that goes well with sport clothes.

Hyacinth: The most accurate recreation of this flower we know.

Lavender: The well-known English type, not sweet or "musky" like so many near-lavenders.

Lilac: Lilacs wet with morning dew. Fresh and leafy—our largest selling odor.

American Soaps of Imported Quality

Six 3-Ounce Cakes, Your Choice of Fragrances, in Black and Gold Gift Box, \$1.10. Three 6-Ounce Cakes, Your Choice of Fragrances, in Black and Gold Gift Box, \$1.00. Either Mailed to Your Order For 15 Cents Extra.

War and embargo which have stopped all imports need not deprive you of the pleasure of using quality soaps today.

Made in the best European tradition, as high in quality as the pre-war imported soaps of thirty years ago, Vaughan's Floral Scented Soaps can be used with confidence by those accustomed to these luxury products. Yet the cost is less than one-third that of soaps of equal quality.

Made from the same fine oils used in our Perfumes and Colognes. Fragrances available include the following (see descriptions under Perfume list above.)

Carnation, Lilac, Lavender, Geranium, Violet, Zanzibar.

Also Lemon Verbena, the favorite lemon-and-green leaf fragrance, a favorite with English women for centuries.

Prices: 3 oz. cake, 20c. (Add 3c for postage). 6 oz. cake, 35c. (Add 6c for postage).
THESE ARE CEILING PRICES



Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.

Magnolia: The veritable fragrance of the Southern Magnolia—rich and lush.

Nicotiana: Reproduced with astonishing fidelity. The well-known "Sweet-scented Tobacco."

Parma Violet: A favorite for generations with women of wealth and refinement.

Red Rose: The Damask Rose type.

Sweet Pea: The true fragrance of the original Spencer sweet pea.

Violet: The English violet, softer than the Parma type.

Wild Rose: Like the breeze through a Sweet Briar hedge in June.

Zanzibar: Like a clipper ship laden with rare oriental woods and the spices of the Indies.

"Personalized Perfumes"

Dram, \$1.50; Ounce, \$10.00

We take pleasure in offering this group of highly individual, specially blended odors, which while not exactly matching the perfume of particular flowers, do express the enchanting fragrance of gardens and woodlands.

Calcutta: The oil from which this perfume was made was intended originally for introduction at \$75.00 an ounce by a famous French house. Escaping the fall of Paris, the perfumer brought this oil to America as his only remaining asset. We contracted for the entire stock. This is perhaps the last great perfume that will come from Paris until Germany falls.

The fragrance is that of the rich, opulent bouquets for which the French are famous, yet it is so dry and woody that it is not cloying. Outstanding.

Victoria Regina: Based on the formula for the consecrated oil used in anointing Queen Victoria at her coronation. Rich and fragrant. Not for the ingenue.

Song of the Heart: A dry, woody fragrance with no trace of sweetness, yet definitely not heavy. A perfume of unusual distinction.

Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

Continued on
Next Page

L. H. VAUGHAN, PRES.

CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORKGREENHOUSES AND NURSERIES,
WESTERN SPRINGS, ILL.

Vaughan's Seed Store

GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGO

CARL CROPP, V. PRES.

NEW YORK,
47-49 BARCLAY ST.CHICAGO LOOP STORE
10-12 W. RANDOLPH ST.

How to Order

How to Order: Please follow these instructions, and fill out order sheets carefully.**Seed and Bulb Orders:** Write quantities distinctly in the column provided and attach prices.**Plant and Tree Orders:** State quantity, size or age of each variety, with prices attached.**C. O. D. Orders:** Owing to extra collection cost we do not fill C. O. D. orders for less than \$5.00, and all C. O. D. orders must be accompanied by 25% of the amount in cash.

We do not ship Trees, Plants, or any other perishable stocks C. O. D.

Remittance: Please remit by money order or certified check. Do not send currency unless registered.**Mistakes:** If there is any error in filling your order, write us at once with correct copy of order, for quick investigation.**Express Shipments:** General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, also all shipments containing breakables. Orders over 5 lbs. going to 5th Zone travel cheaper by express than parcel post.

All Trees, Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

Parcel Post: Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides, odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States.

DELIVERY

All flower seeds prepaid.

All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense. Exceptions to this rule are specifically noted in the offers.

All Water Lilies by mail or express at buyer's expense; except where otherwise specifically stated.

All Roses, Trees, Shrubs, Perennial and Annual Plants are shipped from Western Springs at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on page 108), are F. O. B. Chicago or New York and shipped at buyer's expense.

All lawn seed is prepaid to any part of the U. S. A.

Purchases for \$2.00 or more made at our loop store 10 W. Randolph St., delivered free within a 25 mile radius. This offer is subject to change without notice, owing to war restrictions.

These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially for seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

We wish it understood that all our stocks are sold under the following conditions: VAUGHAN'S SEED STORE, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty, express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are prepaid everywhere in the United States FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight, when possible, at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

| DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. | First pound or fraction | Each additional pound or fraction |
|---|-------------------------------|--|
| Local—Chicago or New York City..... | 7c | 1c (2 lbs.) |
| First and Second Zone within 150 miles of either..... | 8c | 1.1c |
| Third Zone within 150 to 300 miles..... | 9c | 2.2c |
| Fourth Zone within 300 to 600 miles..... | 10c | 3.3c |
| Fifth Zone within 600 to 1000 miles..... | 11c | 5.3c |
| Sixth Zone within 1000 to 1400 miles..... | 12c | 7c |
| Seventh Zone within 1400 to 1800 miles..... | 14c | 9c |
| Eighth Zone all over 1800 miles..... | 15c | 11c |
| Canada..... | 14c | 14c |

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Aster Harrington's Pink

Asters

Hardy Asters, flowering in the fall, have made remarkable advances. Many of the new varieties are All-American flowers, having been bred from native types that grow on our roadsides. The first true pink, an American production, is now available. For complete list of Hardy Aster Seeds and Plants, see Index.

Beechwood Challenger. (New). 2½ ft. Darkest red of all. 3 for \$1.25.

Frikarti (Wonder of Stafa). 2 ft. Amellus type. Large sky-blue flowers in profusion from September till late October. A famous and valuable variety. 3 for \$1.75.

Harrington's Pink. First true pink hardy Aster. Large flowers of luminous true pink, first of this color on bushy plant. 3 for \$1.50; doz., \$4.50.

Mount Everest. 3 ft. Best white variety. Large flowers. 3 for \$1.50.

Palmyra. Very hardy semi-double pink. Medium height. Novelty. 3 for \$1.50.

Skylands Queen. 3 ft. Pale blue. Largest flowers and heaviest bloomer of all. 3 for \$1.50.



Shasta Daisy

Chiffon. 2 ft. The flowers, 2 inches across, have fringed and laciniated petals, interlaced, see picture. Long flowering period. Needs winter protection. 3 for \$1.25; doz., \$4.00.

Hardy Carnation

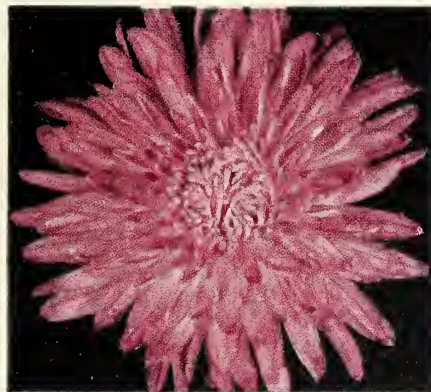
Beatrix. 16 in. Has large, double, pale salmon-pink blooms, very fragrant and giving an abundance of bloom all summer. 3 for \$1.25; doz., \$4.00.

Crimson King. 2 ft. Closely resembling a Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvety appearance borne in profusion in June and continuing until heavy frost. 3 for \$1.15; doz., \$3.50.

Silver Mine. Produces pure white flower on 8 to 10 inch stem. Deep green foliage; it is a prolific bloomer. One of the most striking recent introductions. Each, 65c; 3 for \$1.75; doz., \$5.25.



Carnation Crimson King



Chrys. Pohatcong. 3 for \$1.25



Chrys. Roberta Copeland. 3 for \$1.25



Chrys. Algonquin. 3 for \$1.25



Chrys. Sept. Bronze. 3 for \$1.00



Chrys. Glomero. 3 for \$1.25



Chrys. Redbank. (U. of C.) 3 for \$1.50

• **Six Outstanding Chrysanthemums,** Catalogue Value \$2.65, **\$2.00** •
By Express Collect

One Each of the Varieties Illustrated above, as follows: Pohatcong, lavender rose; Roberta Copeland, Tomato red; Algonquin, deep yellow; Glomero, bronze yellow, 3 for \$1.25; Sept. Bronze, large bronze button, 3 for \$1.00; Redbank, bright red, 3 for \$1.50. For complete list of Chrysanthemums, see index.



Vaughan's Super-Scabiosa

(Mourning Bride)

| | Pkt. | | Pkt. |
|--------------------|--------|-----------------------|--------|
| 1. Rosette | \$0.15 | 6. Salmon Beauty | \$0.15 |
| 2. Azure Fairy | .15 | 7. Cherry Red | .10 |
| 3. Pompadour | .10 | 8. Loveliness | .15 |
| 4. Shasta Improved | .15 | 9. Black Prince | .10 |
| 5. Blue Moon | .15 | 10. Cattleya (orchid) | .15 |

4741 Cover Collection. 1 pkt., each above 10, \$1.00.

4737 Vaughan's Mixture of Super-Scabiosa, the above and many charming new ones. Pkt., 25c.

Wm. H. Kellogg